AGENDA REGULAR DRAINAGE MEETING Wednesday, March 11, 2020 9:30 AM

- 1. Open Meeting
- 2. Approve Agenda
- 3. Approve Minutes

Documents:

03 04 20 - DRAINAGE MINUTES.PDF

4. Approve Claims For Payment

Documents:

PAYABLES-DRAINAGE PUBLICATION 03-13-20.PDF

- DD 25 WO 1 Discuss W Possible Action Contractor Update / Change Order
 DD 25 WO 1 Contractor McDowell will provide an update on work done on the project and discuss possible change order.
- 6. DD's 1, 78, 128 Discuss W Possible Action Drainage Utility Permit Alliant 2020-4

Documents:

2020-4 DRAINAGE UTILITY PERMIT - ALLIANT 03-09-20.PDF

7. DD 100 WO 248 - Discuss W Possible Action - Repair Summary

Documents:

DD 100 - WO 248 REPAIR SUMMARY 03_10_20.PDF

8. DD 118-232D2 WO 281 - Discuss W Possible Action - Investigation Summary

Documents:

DD 118-232D2 WO 281 - INVESTIGATION SUMMARY 03_10_20.PDF

9. DD 119 WO 249 - Discuss W Possible Action - Investigation Summary

Documents:

DD 119 WO 249 INVESTIGATION SUMMARY 03_10_20.PDF

10. DD H-F 2 - WO 286 - Discuss W/ Possible Action DD H-F 2 - WO 286 - Landon Aldinger reports tile is not flowing as it should, and has had standing water at odd times of the year, and excessive water this past season, unlike years past. Landon included a crop yield map. Landon is requesting investigation. This DD is a Franklin controlled district, Franklin County requests landowner/wo requestor sign the Drainage Investigation Waiver prior to any investigation/work being done.

Documents:

DD H-F 2 WO 286.PDF
DD H-F 2 - WO 286 MAP.PDF
DD H-F 2 - WO 286 CROP YIELD IMAGE.PDF
FRANKLIN COUNTY DRNG INVESTIGATION WAIVER 3-5-20.PDF

11. DD 1 & DD 25 - Discuss W Possible Action - Claims For Crop Damages

Documents:

DRAINAGE CLAIM FOR DAMAGES 2020-2 DAVID FINCHAM DD 25.PDF DRAINAGE CLAIM FOR DAMAGES DAVID FINCHAM 12-18-19.PDF DRAINAGE CLAIM FOR DAMAGES 2020-3 CLIFFORD KITZMAN DD 1.PDF DD 1 - CLAIM FOR DAMAGES - CLIFFORD KITZMAN 12_19_2019.PDF

12. DD 55-3 Lat 10 - WO 284 - Discuss W Possible Action - Update On Beaver Dam

Documents:

DD 55-3 LAT 10 WO 284 MAP 2.PDF DD 55-3 LAT 10 WO 284.PDF

- 13. Discuss W Possible Action -Wind Turbine Ordinance And Drainage Utility Permit Language & Process
- 14. Other Business
- 15. Adjourn Meeting

REGULAR DRAINAGE MEETING Wednesday, March 4, 2020 9:30 AM

3/4/2020 - Minutes

Open Meeting

Hardin County Drainage District Chairperson Lance Granzow opened the meeting. Also present were Trustee BJ Hoffman; Trustee Renee McClellan; Paul Williams, Contractor; Curt Groen, Landowner; and Denise Smith, Drainage Clerk.

2. Approve Agenda

Motion by Hoffman to approve the agenda. Second by McClellan. All ayes. Motion carried.

3. Approve Minutes

Motion by Hoffman to approve the minutes to Regular Drainage Meeting dated 2-26-20. Second by McClellan. All ayes. Motion carried.

4. DD H-S 4-112 - WO 2020-1 - Discuss W Possible Action, Drainage Utility Permit Application - Minerva Valley Tel. Co.

DD H-S 4-112 - WO 2020-1 - Smith noted that when Minerva Valley originally submitted this Drainage Utility Permit, they listed it as DD 45. Upon review of the maps it was determined the location lies in DD H-S 4-112. Minerva Valley is installing new fiber-optic line, and there is a district tile that runs right under the homeowner's driveway. Hardin County is the controlling county in this joint district.

Hoffman motioned to approve the Drainage Utility Permit, with the updated DD 4-112 location noted. Second by McClellan. All ayes. Motion carried.

5. DD 142 & Big Four - WO 2020-2 - Discuss W Possible Action - Midland Cooperative Drainage Utility Permit Application

DD 142 & Big Four - WO 2020-2 - Hoffman noted that this Permit was also discussed in the Board of Supervisors meeting today. Smith stated that this tile runs parallel to the road, with the main tile crossing under the road, along with three laterals joining in where the tile parallels the road. Smith noted that the work being done will all be for overhead lines. the map provided by Midland was pretty clear in denoting the location. It was discussed that Midland has been good to work with on the Utility Permits.

Motion by McClellan to approve both of the applications from Midland for DD 142/Big Four, WO 2020-2 Drainage Utility Permit and the DD 38, 46, Big Four, F-H 5-75 - WO 2020-3 Drainage Utility Permit. Second by Hoffman. All ayes. Motion carried.

6. DD 38, 46, Big Four, F-H -5-75 - WO 2020-3 Discuss W Possible Action - Midland Power Cooperative Drainage Utility Permit

DD 38, 46,, Big Four, F-H 5-75 - WO 2020-3 - Smith noted the only variance she saw in the permit application was the red pencil line, on the map provided by Midland, did cross from the east side of the road to the west and back again, but that was north of any district tile lines. Midland will be installing new overhead lines and setting new poles.

See above (5.) for motion.

7. Other Business

DD 25 - Smith noted that she had received an update from Lee Gallentine of CGA, who had spoken with contractor Steve McDowell. McDowell would like to attend the next regular drainage meeting on March 11, 20 to discuss his requested time extension as part of the proposed change order. The Trustees agreed they would like to have Contractor McDowell attend the March 11th meeting. Smith will add that to the agenda for the Wednesday, March 11, 20 meeting.

Wind Turbine Ordinance and Drainage Utility Permits - Hoffman stopped at Heart of Iowa utility in Union and visited with Bryan Amundson, the general manager, to visit with him and see if his utility had any concerns in

moving forward with the CWEC stipulations in the Drainage Utility Permitting process. Amundson appreciated that the Trustees are looking out for everyone. Amundson stated Heart of Iowa has significant investment in the drainage districts, they take pride in their work and have done things by the book, and was grateful that the Trustees were looking out for the landowner's best interests and the utility's best interests. Hoffman discussed proposed changes with Amundson, and Amundson agreed with televising prior to CWEC's, but had concerns that if Heart of Iowa worked near where a CWEC was working, which utility would be blamed for a crushed tile. It would be far likelier to be the WEC's heavy equipment than Amundson's small trencher or excavator, and he did not want that liability. Amundson would rather have the means of showing it was or was not them, but he appreciated the consideration of everyone's interests and not just those of the wind companies. Hoffman noted that Amundson was concerned if televising is required that it would not apply to his utility, Hoffman stated he believed this requirement should be for CWEC only. Granzow stated that Heart of Iowa is currently required to expose any tile in the area they work. Granzow stated that televising should be part of the development agreement with the CWECS rather than the ordinance. Hoffman noted that Amundson was glad that their voice had been heard in the process. Granzow stated he was glad to have the information.

Smith stated she will have the wind turbine topic on next week's agenda and is waiting to hear back from attorney Mike Richards, to verify his ability to attend a tentatively scheduled work session regarding the wind turbines, following the two hearings scheduled for March 25, 2020. Hoffman stated the Smith has already posted hearing notices for these upcoming hearings on the bulletin board in the rotunda and the website. Hoffman stated he appreciated Smith's proactiveness in getting all the notices out, Hoffman states he is glad that all the notices are out for the public, and thanked Smith. Smith stated she is learning more about the website, and the drainage clerk position every day.

Televising Tile Lines - Drainage Contractor Paul Williams was in attendance, and wanted to let the Trustees know that he is looking at purchasing another camera system for use on drainage tiles. Williams has done a lot of work in Franklin County and has been demonstrating some new cameras this winter on projects there. Williams has worked closely with Lee Gallentine of CGA and Franklin County this past couple of years. Williams wanted to put it out to the Trustees, that he would be available for televising work. Williams had owned a camera system in the past, but found the very expensive unit he was running, was too expensive to justify the few repair jobs he had at the time. Williams stated he would charge a 3 hour minimum, with a base cost of \$1,000, with a base hourly rate of \$350 per hour for a tile repair crew with televising. Williams stated that seems like a lot but that rate includes one excavator with an operator and a laborer, sometimes that will be 2 excavators, 2 operators and a laborer, and it will be the same price either way. Williams rate would include \$2.00 mile one way for transportation, time starts from when they begin work till they end work. The only other charge beyond the hourly rate would be for materials and parts, rock and rock trucking would be a separate charge.

Williams stated he has done work and televising on 12 to 14 drainage repair jobs this winter in Franklin County, this allowed him to gain valuable information with the demo systems. The model he is looking at will allow him 1000' of televising cable extension, so that he could pothole a tile, televise upstream 1,000' and then televise downstream 1,000', giving you a 2,000' shot of a tile line. His previous unit was designed to extend 1,500' but with that system, you would seldom be able to extend all the way to 1,500' as the head was to heavy to push through the curves or sweeps in drainage tile, it could not pull that much cable. Williams stated that the 2,000' view with the new machine would give a good view on conditions in the tile lines.

Granzow asked if the new system could test for depth. Williams stated that capability would be in his locator, as the camera through the tile on the cable that it pulls, we can light that up and locate as it goes. Williams stated he felt it would be accurate within a foot on the depth of the tile. Hoffman stated he would like to see the system work in a field day demonstration.

Williams feels there is a need for televising in the surrounding areas. On a project in Franklin County, they televised a few hundred feet, on a job that had been previously repaired with a few hundred feet of RCP. Last fall there was a suckhole, they dug it up and with the images from televising, they determined that the next few hundred feet should have been replaced also. Granzow stated we still have a policy in place to give preference, when possible, to in-county contractors. Granzow stated we would always welcome another contractor that wanted to live in the county and do televising, and we would alternate between local contractors. Hoffman stated he would worry if we were in a larger county, he would be more concerned about price fixing, but he does not worry about that here, as our contractors have been open and honest with us. Williams stated he built his business on water and sewer work, but has expanded his work experience in jetting, hydro-excavating, directional boring, and he will not jeopardize his business for anyone, he would not gouge anyone, as his reputation is very important to him. Williams stated he would welcome any competition, as it is good for everyone.

Hoffman asked what capabilities this new system would have, Williams stated the new system will televise, and should give the same quality of video, and has the ability to tell pitch and if the pipe is going uphill or downhill, and some additional options his old system did not have. William also stated he has cutters available to cut tree roots,

however what often happens in tiles, is that with any offset the root cutter head will stop at that point and destroy the tile, root cutters are best utilized in city sewers. Williams stated if you have roots in tile, that means you have trees to close to the tile and in the right of way, those trees in the right of way need to be removed. Williams noted you would be better off to remove the trees and lay a new tile line with non perforated pipe.

Granzow stated as we look at CWEC building turbines, we would like to televise before and after turbine construction, so you have a before and after snapshot of the condition of the tile. Granzow stated he was unsure if we can put in the County's ordinance that the televising be done by an in-county contractor, but he would prefer an in county contractor do the work. Hoffman stated he would like to have Mike Richards review that and see if it is possible. Williams stated you may not be able to get any other contractors to do the televising. Hoffman stated the CWEC could bring in a crew from Alabama, and we would much prefer someone local who has experience with drainage tile, and if we truly want to support the local economy - local jobs for local families with kids, then this needs to be some part of our policy. Part of the problem Hoffman has, is that Handsaker stated he had issues with CWEC damaging his private tile in the past, and things were not immediately addressed by the CWEC. Handsaker was able to communicate with the CWEC, and let them know they have the skills to fix this problem themselves, the CWEC said to fix it, and at least there was a remedy for Handsaker. Hoffman stated we need to ask Mike Richards if it wold be possible to utilize our local drainage engineers and local drainage contractors.

8. Adjourn Meeting

Motion by McClellan to adjourn. Second by Hoffman. All ayes. Motion carried.



Description	Vendor	Amount
DD 22 Prof. Svcs After 1/25/20 to 2/22/20	Clapsaddle-Garber Assoc	413.60
DD 22 - Prof. Svcs After 12-14-19 to 1-25-20	Clapsaddle-Garber Assoc	3,857.40
Exp blowouts ditch/outlet w Locate travel labor	Jensen Excavating Inc.	797.50
Postage DD 22 Landowners Meeting Postcards	Hardin County Auditor	7.35
DD 9 Prof Svcs After 8/23/19 - 2/28/20 Plans/Specs	Clapsaddle-Garber Assoc	1,254.75
Hardin Co. Drainage Claim for Damages	Jason Martin	353.49
DD 25 Prof Svcs 1/31/20 to 2/28/20 Contract Admin	Clapsaddle-Garber Assoc	1,343.80
DD 25 - Prof Svcs After 1/31/20 - 2/28/20 Cont. RR	Clapsaddle-Garber Assoc	371.45
DD 34 - Prof Svcs After 1/03/20 to 2/28/20	Clapsaddle-Garber Assoc	217.25
DD 55-3 Prof Svcs After 1/31/20 - 2/28/20	Clapsaddle-Garber Assoc	242.00
DD 86 Prof Svcs After 1/31/20 - 2/28/20 Eng Rpts	Clapsaddle-Garber Assoc	390.00
DD 86 Prof Svcs to 2/28/20 Reclassification Report	Clapsaddle-Garber Assoc	654.15
DD 124 Prof Svcs to 2/28/20 Utility Crossing	Clapsaddle-Garber Assoc	456.40
DD 160 Prof Svcs to 2/28/20 Repair to main tile	Clapsaddle-Garber Assoc	1,631.75
DD HS 35-1 Clearing trees 1/2 mile of open ditch	Jensen Excavating Inc.	7,500.00

Total Regular Payables: 5,075.85
Total Stamped Warrants: 14,415.04

3/9/2020 4:00:22 PM Page 1 of 1



HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant	Interstate Power &	د Light Company / Alliant E	Enerav
Applicant:	Company Name	Light Company	<u>-norgy</u>
	410 Lawler St		
	Address		
	Iowa Falls	IA	50126
	City	State	Zip
Applicant Contact:	Chris Jess		(<u>641</u>) <u>648</u> - <u>7605</u>
	Name		Phone
	chrisjess@allianten Email	iergy.com	
Utility Type:	Electric		
Drainage District(s) Cros			
Facilities Crossed (spec		near LAT 8 of D.D.78, LAT	
Description of Work:	Install a new 25,000volt, ι	underground, electric system, cons	nsisting of 1-phase & 3-phase #1AL cable and
(Location plan of	2"& 4"duct by means of p	plowing and boring along and cross	ssing under county highway S55 & D35 in
proposed utility must be attached.)	the public ROW. The e	electric system will be built to N	IESC standards. IPL WR 4175021
operate and maintain ut attached Requirements with said requirements s	tilities on, over, across or for Construction On, Over shall be ground for revocation of the manual of the state of the st	Hardin County Auditor's Office Attn: Drainage Clerk 1215 Edgington Ave, Suite 1	
		Eldora, IA 50627 Fax (641) 939-8225 drainage@hardincountyia.gov	<u>VV</u>
Application Approval:			For Office Use Or
		- .	
Bv [.]		Date:	٠د

Board of Supervisor Chairman, Acting as Drainage District Trustee

APPROVED PERMIT #:



REQUIREMENTS FOR CONSTRUCTION ON, OVER, ACROSS OR BENEATH ESTABLISHED DRAINAGE DISTRICT

Upon issuance of a permit for utilities on, over, across or beneath established Hardin County Drainage Districts, the applicant shall be governed by these requirements and shall comply with all conditions contained herein.

- 1. The Applicant shall furnish the Drainage District, or its representative, plats showing the exact location of the proposed construction. If it is found that such locations are in conflict with the present or proposed facilities and that a more desirable location is possible, the Applicant shall review such possible alignment changes. **No construction is to commence with the drainage facility without an approved application.**
- 2. Applicant shall comply with Iowa One-Call requirements prior to commencing any work.
- 3. The Drainage District shall provide Applicant access to maps or other information regarding the location of all known drainage district facilities so that reasonable care may be taken by Applicant to avoid un-necessary damage to said drainage district facilities.
- 4. The Applicant shall hold the Drainage District harmless from any damage that may result to the Drainage District facility because of the construction or maintenance of the utility, and shall reimburse the Drainage District for any expenditures that the Drainage District may have to make on said Drainage District facilities resulting from Applicant's construction and installation of utilities, or their subsequent repair or modification.
- 5. The Applicant shall take all reasonable precaution during the construction of said utility to protect and safeguard the lives and property of the public and adjacent property owners and shall hold the Drainage District harmless from any damages or losses that may be sustained by adjacent property owners on account of such construction operations. Further, Applicant agrees to replace, repair or reimburse all damages to private property occasioned by Applicant's installation of subsequent modification or repairs.
- 6. The Drainage District assumes no responsibility for damages to the Applicants property occasioned by any construction or maintenance operation of said Drainage District facilities, subsequent to Applicants installation.
- 7. A copy of a certificate of insurance naming the County/Drainage District as additional insured for their permit work shall be provided to the County Auditor prior to installation. The limit of liability under the insurance policy shall not be less than \$1,000,000 per occurrence.
- 8. The Applicant agrees to give the Drainage District twenty-four (24) hours (Saturday and Sunday excluded) notice of its intention to commence construction on any lands within the jurisdiction of the Drainage District. Said notice shall be made in writing to the County Auditor or to the designated Drainage District representative.
- 9. The Applicant agrees to place permanent, visible markers or monuments at locations where utility crosses Drainage District facilities. These monuments or markers shall identify the owners name, address and phone number.
- 10. The Drainage District Trustees may appoint a representative to inspect and approve all construction across Drainage District facilities as part of this permit. All compensation, wages, mileage and other expenses for this representative will be paid by the Applicant. It will be the responsibility of the Applicant to make all contacts with private parties (adjacent owners/operators) to determine the location of private drainage facilities. Said representative will also inspect all crossing of Drainage District facilities and may, if required, observe the crossing of private drainage facilities, and shall have the authority to require the Applicant to excavate and expose the crossing of any Drainage District facility where the representative believes it prudent to visually examine Applicants crossing of the Drainage District facility. Further, said representative has the authority to suspend construction and installation by the Applicant within any Drainage District jurisdiction by verbal order to the contractor at the site and a telephone call to Applicants contact person listed on page 1 within six (6) hours of the verbal order.



- 11. The construction and maintenance of Applicants installation shall be carried on in such a manner as to not interfere with or interrupt the function of said Drainage District facilities without the express written consent of the Drainage District Representative. In the event it becomes necessary to temporarily stop the flow of water, the following shall be completed by the Applicant:
 - a. If the crossing involves a tile line, the replacement of tile with approved materials, in the manner approved by the Drainage Districts designated representative, shall be performed as rapidly as possible. If the approved method of repair is impossible and the volume of water flowing in the tile is sufficient to create the possibility of crop loss or property damage, the Contractor will be permitted to temporarily block the tile line to prevent the flow of this tile water into the pipeline, or tile line ditch. In the event this tile line is so temporarily blocked, the Contractor will be expected to provide sufficient pumping equipment to pump the impounded tile water across the construction ditch to the undisturbed tile line. Such temporary blockages of said Drainage District tile lines will be removed a rapidly as possible and any tile repairs caused by this blockage will be immediately repaired at the Applicants expense.
 - b. If the crossing involves an open ditch that is carrying sufficient flow of water to make it necessary to place a temporary dam across said open ditch, such temporary dams may be constructed only upon approval from the Drainage District designated representative. The maximum elevation of this impounded water shall be determined by the designated Drainage District representative and all excess water must be allowed to flow across the construction ditch through either a closed metal culvert pipe or by pumping. All temporary dam structures are to be removed as soon as the crossing is completed. The construction and removal of these dams shall be in such a manner that the smooth and efficient function of the drainage ditch is not impaired, with all costs and damages borne by Applicant.
- 12. The Applicant will at any time subsequent to the commencement of construction, and at Applicants sole expense, reconstruct or replace its installation as may be necessary to conform to new grade or alignments resulting from maintenance or construction operations by the Drainage District in connection with any of its drainage facilities. Applicant agrees to do this within forty-five (45) days of receipt of written request from the Drainage District, or such longer time period as the Drainage District may specify, without cost to the Drainage District. Such reconstruction or realignment of Applicants improvements shall be made in accordance with and approved by the Drainage District or its designated representative. If the Applicant is unable to comply within the time period specified above, the Drainage District may cause the work to be done and the Applicant will pay the cost thereof upon receipt of a statement of such costs.
- 13. CROSSING OF OPEN DITCH FACILITIES. Utility crossings shall be constructed as follows, as directed by the designated representative of the Drainage District:
 - a. Passage of installation in a horizontal plane five feet (5') below design grade of drainage ditch, as established by the Drainage District representative.
 - b. The above depth to extend to a point two (2) times the design base width of ditch either side of centerline of drainage ditch (measured along the centerline of utility) unless the existing base width is greater than the design bases width. If the existing base width is greater than the design with, the depth is to extend to a point two (2) times the existing width.
 - c. The rate of slope for transition from normal utility laying depth of crossings of drainage ditches shall not be steeper than 4:1.
 - d. If such ditch crossings occur at points of outlets of Drainage District or private tile lines or within twenty-five feet (25') of said outlets, such outlets must be relocated to a point not less than twenty-five feet (25') from such crossings. Such relocations shall be at the expense of the Applicant and as directed by the representative of the Drainage District.

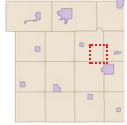


- 14. CROSSING OF DRAINAGE DISTRICT TILE LINES. Utility crossings shall be constructed as follows, as directed by the designated representative of the Drainage District:
 - a. All proposed installations must be placed under the existing Drainage District tile lines. These requirements may be waived only upon the review by and approval of the designated representative of the Drainage District. Such waiver must be in writing.
 - b. A minimum of one foot (1') clearance below existing Drainage District facilities must be maintained.
 - c. At all crossings of Drainage District tile lines with the proposed utility, one of the following must be used:
 - i. Replace Drainage District tile with reinforced concrete pipe of same or larger diameter than existing tile. Concrete pipe to be 2,000 D strength (lowa Department of Transportation approved) with standard tongue and groove joints. Pipe to have a minimum of three (3) bolt-type connectors at each joint.
 - ii. Replace Drainage District tile with cathodic protected corrugated metal pipe. Diameter of corrugated metal pipe to be a minimum of two inches (2") larger than outside diameter of tile line being replaced. (Specifications regarding gage, cathodic protection and other details to be subject to review and approval.)
 - iii. Dual wall plastic with specific approval of Drainage District representative.
 - iv. Bore new utility installation; maintain existing tile in an undisturbed state.
 - d. The length of tile to be replaced by any of the above alternates is as follows:
 - i. Eight-inch (8") tile and smaller: Six feet (6') either side of centerline of proposed installation, measured at right angles to the centerline of installation.
 - ii. Ten inch (10") tile and larger: Ten feet (10') either side of centerline of proposed installation, measured at right angles to the centerline of installation.
 - e. At all crossings of Drainage District tile lines where the Drainage District and private tile lines are damaged by the construction, maintenance or repair of Applicants installation shall be repaired as directed by the Drainage Districts designated representative.
- 15. This permit is subject to existing regulations and statutes of the State of Iowa and future regulations, which may be promulgated or enacted.
- 16. This application is subject to revocation by Hardin County, if in its judgment it is necessary for legitimate purposes. In such event, written notice shall be provided to permit holder.
- 17. Applicant agrees to pay all other legitimate costs, fees and expenses associated with its crossing of the Drainage District facility, including but not limited to, publication costs, engineering costs and legal service costs. Said costs will be paid within thirty (30) days of the mailing of the statements to the Applicant.
- 18. Applicant agrees to provide a copy of as-built plan of the utility route and location, showing route changes that may have taken place during construction.
- 19. Applicant agrees to include a copy of these requirements to all bidding specifications; or if the construction and installation contract has been let by the time this permit is approved, Applicant agrees to provide a copy of these requirements to the contractor and to advise them that they are bound by the terms of these requirements.

Beacon[™] Hardin County, IA



Overview



Legend

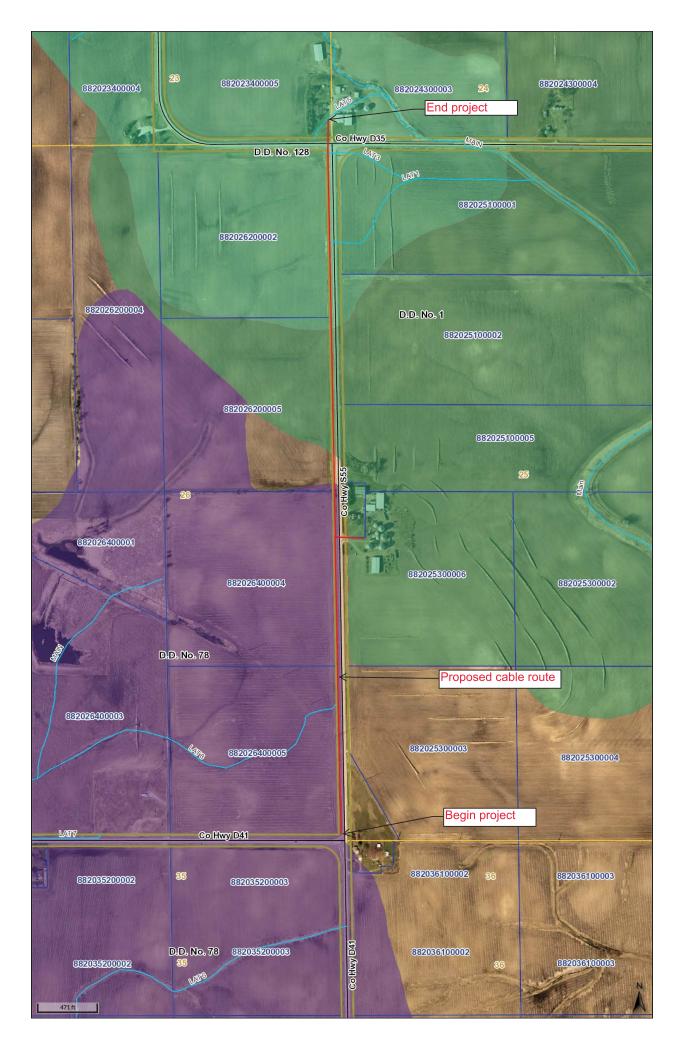
- Corporate Limits
- Political Township

Roads

- County Road
- Federal Highway
- Local Road
- State Highway
- Town Road
- Road ROW

Date created: 1/10/2020 Last Data Uploaded: 1/10/2020 8:40:45 AM







Drainage Work Order Request For Repair Hardin County

Date:	4/22/2019			
Work Order #:	WO00000248			
Drainage District:	DDs\DD 100 (5112	2)		
Sec-Twp-Rge:	87-21-10	Qtr Sec:		
Location/GIS:			·	
Requested By:	Denny Balvanz			
Contact Phone:	(515) 689-6679			
Contact Email:				
Landowner(if different):				
Repair labor, materia	possibly be private lottery.	t of the headwall. Appears to . Had Gehrke's come out to	look and they can repair if next on	
Repaired By:			Date:	
Please reference wo	rk order # and send	statement for services to:	Hardin County Auditor's Office Attn: Drainage Clerk 1215 Edgington Ave, Suite 1 Eldora, IA 50627 Phone (641) 939-8111 Fax (641) 939-8245	
For Office Use Only				
Approved:			Date:	



Hardin County Auditor's Office



Date: 4/22/2019

0.22 Miles 0.0275 0.055 D.D. No. 100 (a) (Glue) Tel (Glue MAIN (Olnch) MAIN (OInch) 236.89

Drainage District:

#100

Repair Summary:

- Landowner in the SE¼ NE¼ Section 10, Township 87 North, Range 21 reported a blowout/sinkhole in the waterway north of the field entrance.
- Visual observation found a 10-feet by 15-feet and 8-feet deep blowout/sinkhole in the grass swale, with a
 collapsed 12-inch VCP Main tile in the bottom. Upstream end of said blowout/sinkhole is the 12-inch concrete
 Main tile that appeared not to be significantly collapsed, while the downstream end of the blowout/sinkhole
 12-inch VCP Main tile was cracked with the top slightly sagging. The Main tile outlet was found to be a rusted
 18-inch CMP tile with concrete headwall, flowing water around said headwall/tile, and small trees growing
 around headwall.
- Excavation of sinkhole/blowout found some of the 12-inch VCP Main tile immediately downstream of the blowout to be cracked and partially collapsed. Said tiles were removed until cracked tile that wasn't partially collapsed was encountered. Also removed the already collapsed 12-inch VCP tile at blowout/sinkhole.
- Repaired with 12-inch dual wall HDPE, rock bedding and backfill, and ¾ concrete collars at each end of repair. Excavation was backfilled with on-site soil, with the frozen pieces of earth being placed on-top.

<u>Contractor Time and Materials (spent while CGA was on-site):</u>

See attached Tabulated Contractor Time and Materials Sheet.

<u>Additional Actions Recommended:</u>

- 1. Frozen soil backfill may need to be re-graded and/or additional soil imported once spring thaw has occurred.
- 2. Due to the condition of the CMP tile outlet and concrete headwall, the longevity of the same before a structural failure and/or large-scale erosion take place is in question. CGA recommends said outlet be replaced with a new CMP outlet with rodent guard, trees around headwall cut, stumps of the same be treated to prevent regrowth, regrading upstream of headwall to correctly channel overland water flow, and installation of stone revetment upstream and downstream of headwall. It is the opinion of CGA that the construction costs for this work would be approximately \$10,000 to \$20,000.



Tabulated Contractor Time and Materials

Date	Totals	12/10/2019	1/10/2020
Workman (hrs)	8 1/2	2 1/2	6
Mini Excavator (hrs)	2		2
Truck and Trailer (hrs)	4 1/2	2 1/2	2
Skid Loader (hrs)	2		2
12" Dual Wall HDPE tile (ft.)	15 1/2		15 1/2
Concrete Collars (ea.)	2		2
Rock Bedding	Yes		

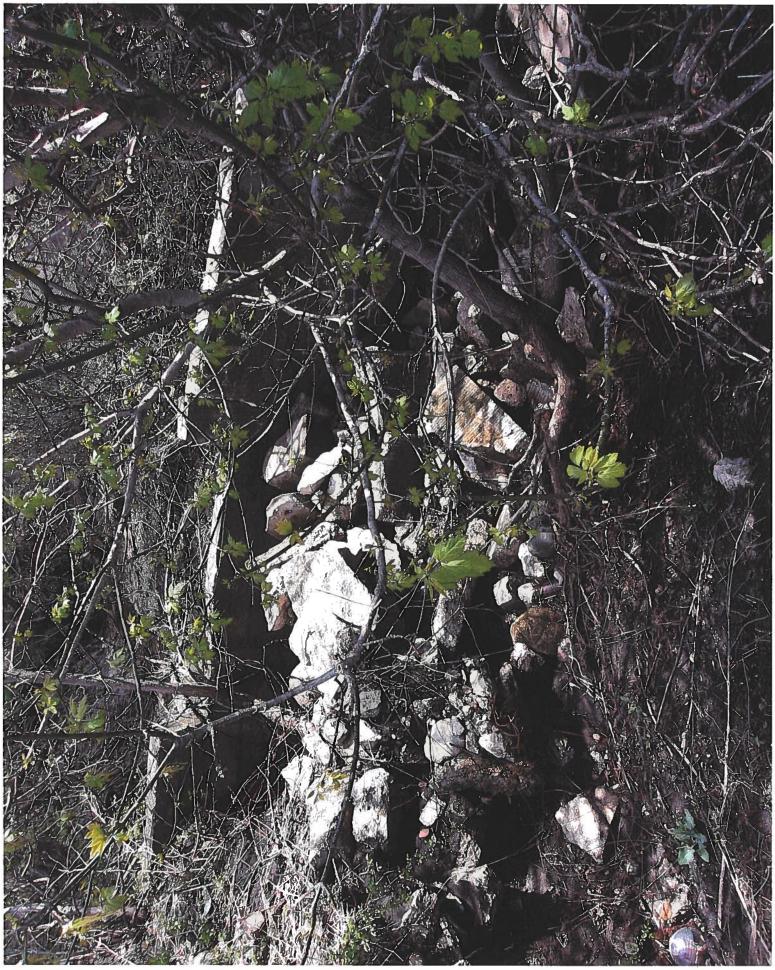


CONSTRUCTION ENGINEERING OBSERVATION REPORT	DATE:	4/29/19
	DAYS OF WEEK:	SMTWTFS
PROJECT NUMBER: 6793	SHEET NO.	OF
COUNTY, ROUTE, ROAD:	Sanaa Ivo.	
LOCATION: N-SIDE Huy 65-175		
DESCRIPTION OF WORK AND MATERIAL USED IN NAME, ITEM NO. AND LOCATION	FOR EACH OPERATION, INC	CLUDING CONTRACTOR/SUI
CALLED DENING BALVANZ AND MET HIM C	Jac Sur. Butt OF US	ROOK 4X4 TO
10'x 15'x 8' deep Brow-out IN GRASS Surru		
Conve. 12" upoteram IN GOOD SHAPE 12" any TI		
Form Come wou with Notes AND 18"	Rusny cmp. SURFACE W	HITEL IS GOING LINDER AND
AROUND HEADWAY Comp SHOULD BE REPL		
Cons and Rip Rap. OR JIST TAKE	SOUT AND PREPIACED W	THE RIPROP FROM GOOT
BAVINE IS AT LEAST IT deep AND PAR LOT		
A PROBLEM @ OUTLET 4" WATER FLOWING		GET TO BOTTOM
WITHOUT LADDER. GERME ALREDDY LONGED @ J.	δ <u>O</u> .	<u></u>
		or one
	· · · · · · · · · · · · · · · · · · ·	
		(· · · · · · · · · · · · · · · · · · ·
MANY BULL OUT		Him.
2 CONER THE COVER		
7		*
/	* *	-
	х—	
_ > _ N _ N _ DOUBLE RED GATES .		
1444 175/65	(%)	
J. /		
route that the work is said it is		y
I Certify that the work described in this report was incorport Observer's Signature:	prated into this contract unless of Date Prepared:	otherwise noted.
Reviewed by:		· · · · · · · · · · · · · · · · · · ·
Action of the second of the se	Engineer	Doto Povingo

BLOW-OUT HELE ON DD 100, MIEASURED 12" TILE



LOCKING COUNSTREAM @ HEADWALL OUTLET



OLD RUSTY CMP, DD 100 OUTLET



CONSTRUCTION ENGINEERING OBSERVATION REPORT

PROJECT NUMBER: 6793

COUNTY, ROUTE, ROAD: N side Hwy 65 & 175

LOCATION: DD100

DATE:

12/10/2019

DAYS OF WEEK:

SHEET NO.

S M T W T F S

1 OF

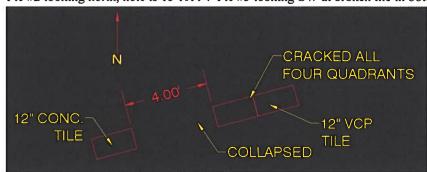
DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

10:11 A.M. Adam called, heading to DD100 around 10:45-11:00, left office

10:30 Left office for site.

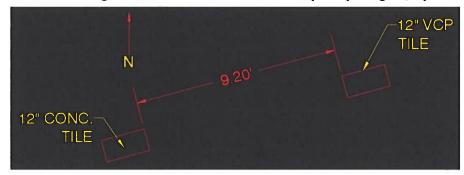
11:00 Arrived on site. Jeff and Takeuchi TB145 mini excavator on site.

11:15 Pic #2 looking north, hole is 15'X11'. Pic #3 looking SW at broken tile in bottom of hole.



12:21 P.M. Pic #4 looking NE from the concrete tile at 4' down tile, cracked and caved down.

12:41 Pic #5 looking down stream 4' from concrete. NW quad squatting tile, top cracked and sides cracked.



- 1:07 Pic #6 looking downstream inside 12" clay, east side tie-in.
- 1:12 Pic #7 looking west upstream inside 12" concrete tile.
- 1:19 Pic #8 looking NE at repair area.
- 1:30 Pic #9 looking west at tile blowout area.

Jeff and excavator left site to another tile job., used field drive, red gate west 175/65 junction.

Jeff and excavator: 2.5 hrs.

I Certify that the work described in this report was incorporated into this contract unless otherwise noted.			
Observer's Signature:		Date Prepared:	
Reviewed by:		Engineer	
			Date Reviewed



TN



N

PICTURE# 2521







De h

PICTURE# 2524







NA

PICTURE# 2526







N

PICTURE #2529

CONSTRUCTION ENGINEERING DATE: 12/11/2019 OBSERVATION REPORT DAYS OF WEEK: S M T W T F S PROJECT NUMBER: 6793 SHEET NO. 1 OF COUNTY, ROUTE, ROAD: N side Hwy 65 & 175 LOCATION: DD100 DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION 9:15 A.M. Set GPS on Hardin County GPS #8034 9:40 Base set up checked in to GPS #3. 1/2" iron rerod in line with fence east, south of 175 and east side of Co hwy. Shot GPS #3035. 11:15 Tore down GPS. 11:50 Back at office. 12:30 I Certify that the work described in this report was incorporated into this contract unless otherwise noted.

Date Prepared:

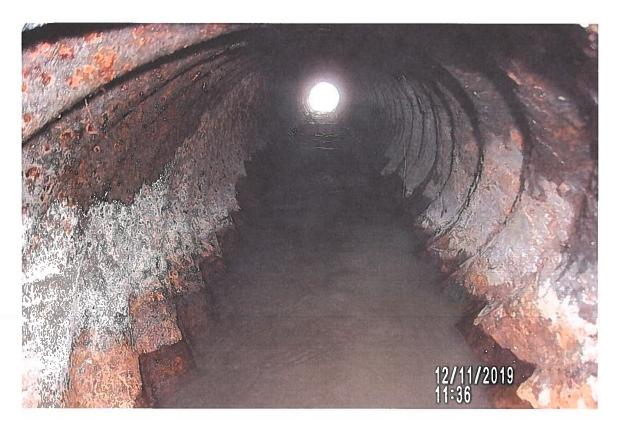
Engineer

Date Reviewed

Observer's Signature:

Reviewed by:





PICTURE# 2552

<u> </u>	DAYS OF WEEK:	
PROJECT NUMBER: 6793 00 # 100	SHEET NO.	S MT WT F S
COUNTY, ROUTE, ROAD: How 175 - 65	SHEET NO.	/ Or
LOCATION: Hardin Co 10-87-21		
DESCRIPTION OF WORK AND MATERIAL USED FOR IN NAME, ITEM NO. AND LOCATION	EACH OPERATION, INCL	UDING CONTRACTOR/SUB
Arrived at job location at	ter receiving	phone call from
Adam (Foreman).		<u> </u>
1:40 p.m. = Set up 6.P.S on Ha	rdin County GP	5 monument # 8034.
1:53 p.m. = Arrived at job site	· Contractor	had a mini-hoe,
skid loader and truck and trail	er on-site for e	equip ment.
Weather was cloudy, temperature	in mid 203,	with a chance of
anow this afternoon. Contractor	had tile repair	excavated and
old tile removed.	** #** . · · · · ·	
CPS Pts		
Top pipe = # 220 and # 222.	144	
Ft shots = # 221 and # 223,	1.4	
Top . Pipe to Fr = South end =	1, 2	11 1 0 1
Top Pipe to Es = North end =	1.04 (Thinner	welled Pipe and
Total repair length 15.4'		
Repaired with 12" Day Wall	HOPE	
222 p.m. = Placing 12" HOPE in	Nace	
2:40 pm = 12" HOPE in place	<i>p</i>	
2:51 p.m. = Placing bedding rock	over spot repair	and preparing to pour
concrete collors.	7	
3:10 p.m. = North concrete coller do	nc.	
3:24 p.m. = South concrete coller done	o. 6 Basg of 1	kwik crete were used
for each collar.	<i>V</i>	
3:47 p.m. = Contractor placed remain	00	a over collars and
back filled with unfrozen dut placin	g frozen chunks	on top.
3:49 p.m. = Construction Observer for	e down GPS and	returned to office.
I Certify that the work described in this report was incorporate	ed into this contract unless o	otherwise noted.
Observer's Signature: James Van Hove	Date Prepared:	1-13-20
Reviewed by:	Engineer	
X-		

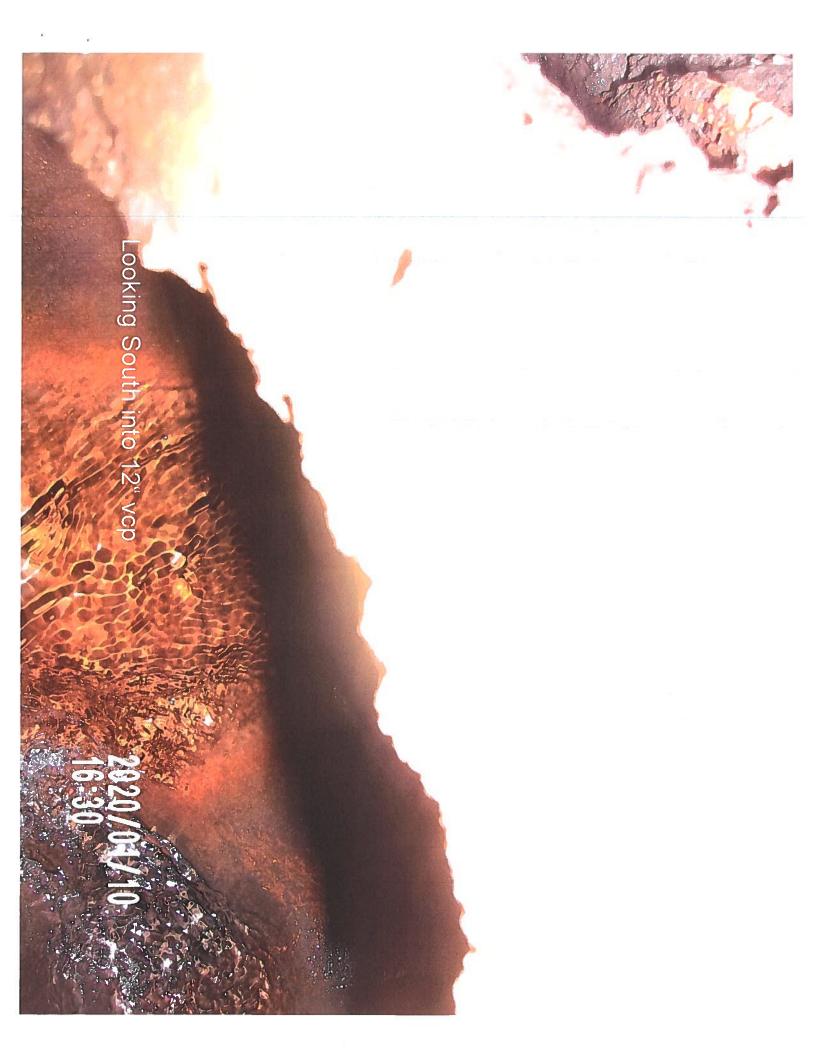
DATE:

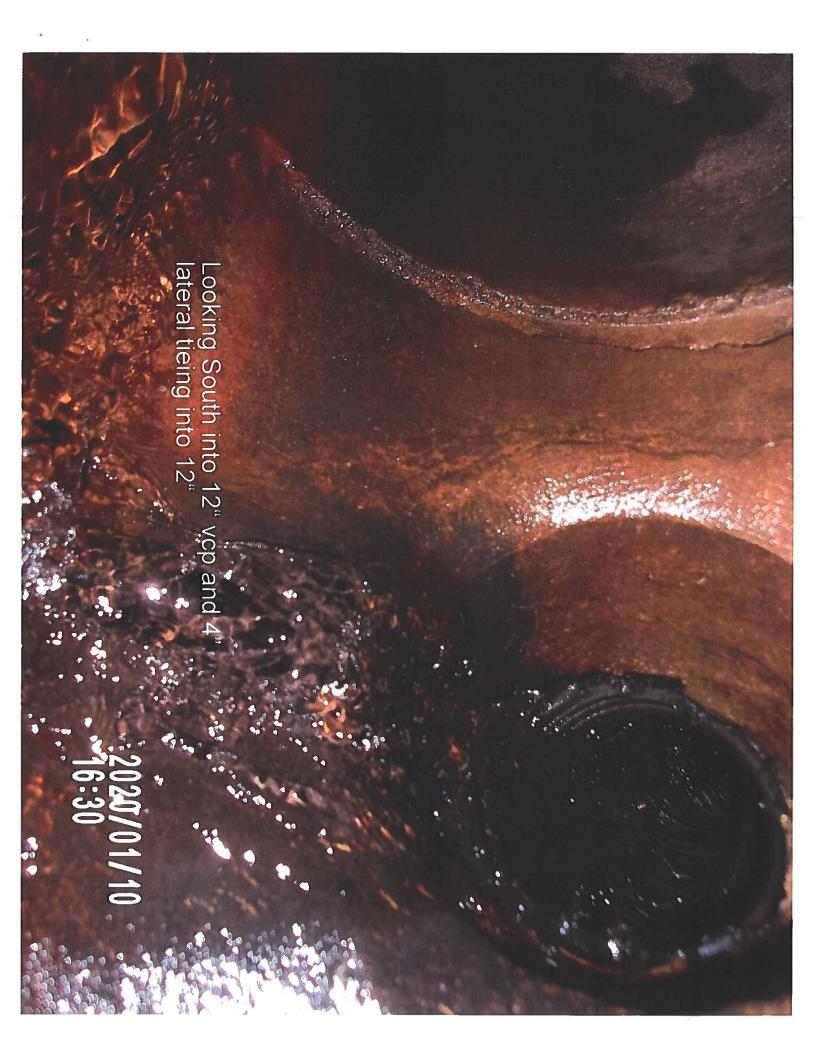
1-10-20

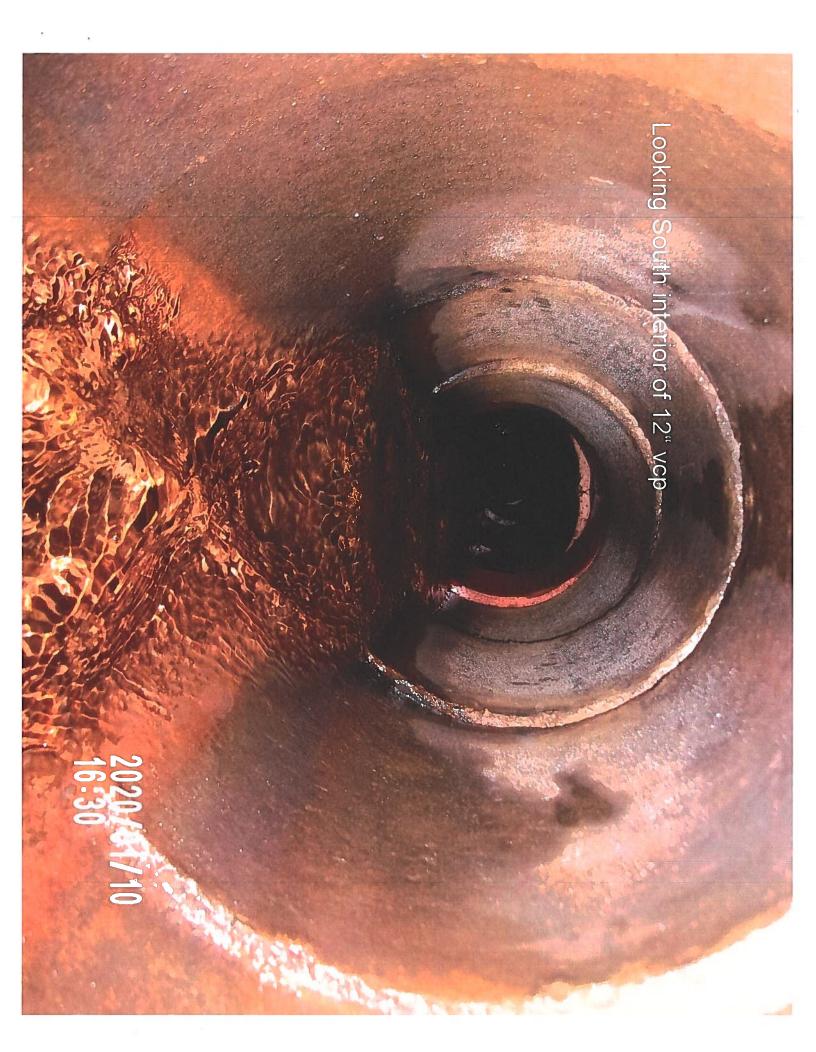
Date Reviewed

CONSTRUCTION ENGINEERING

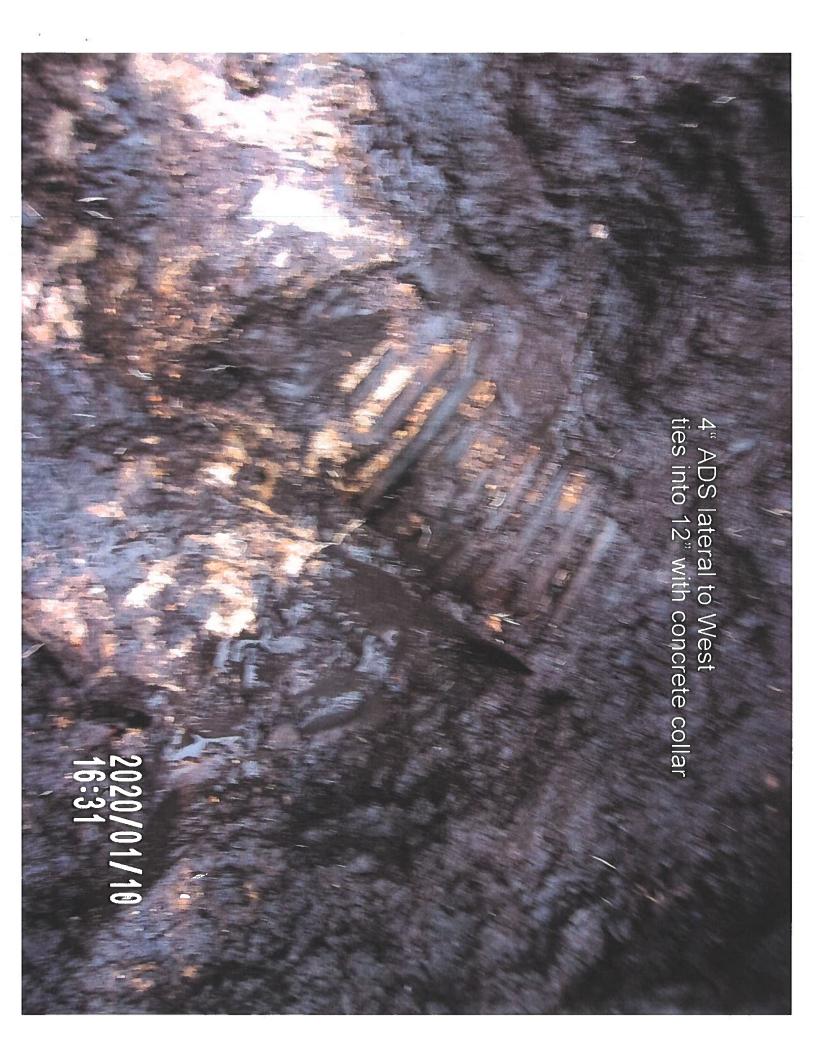
OBSERVATION REPORT

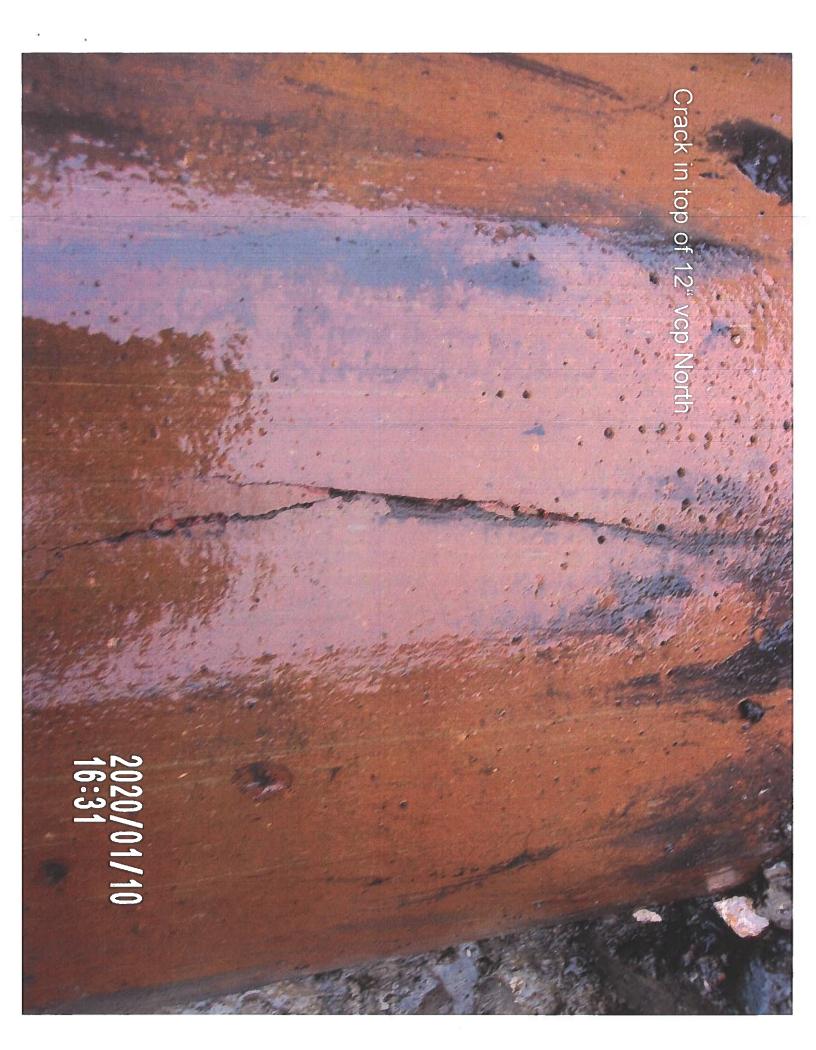






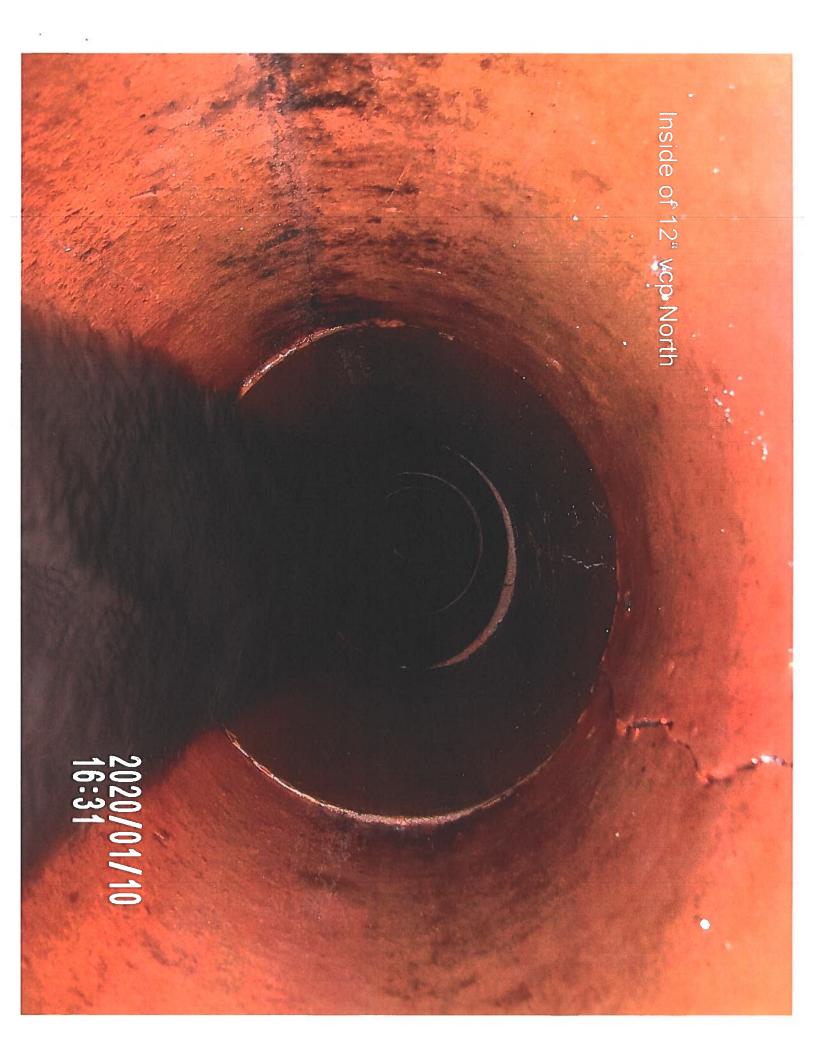


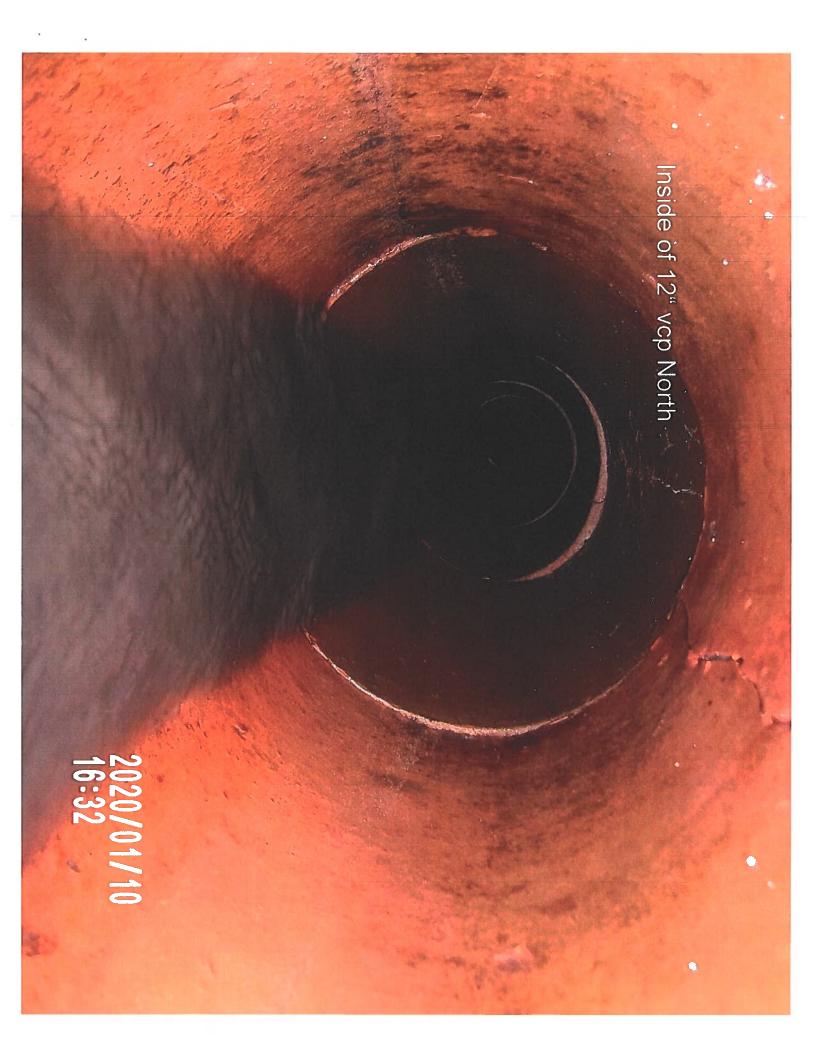


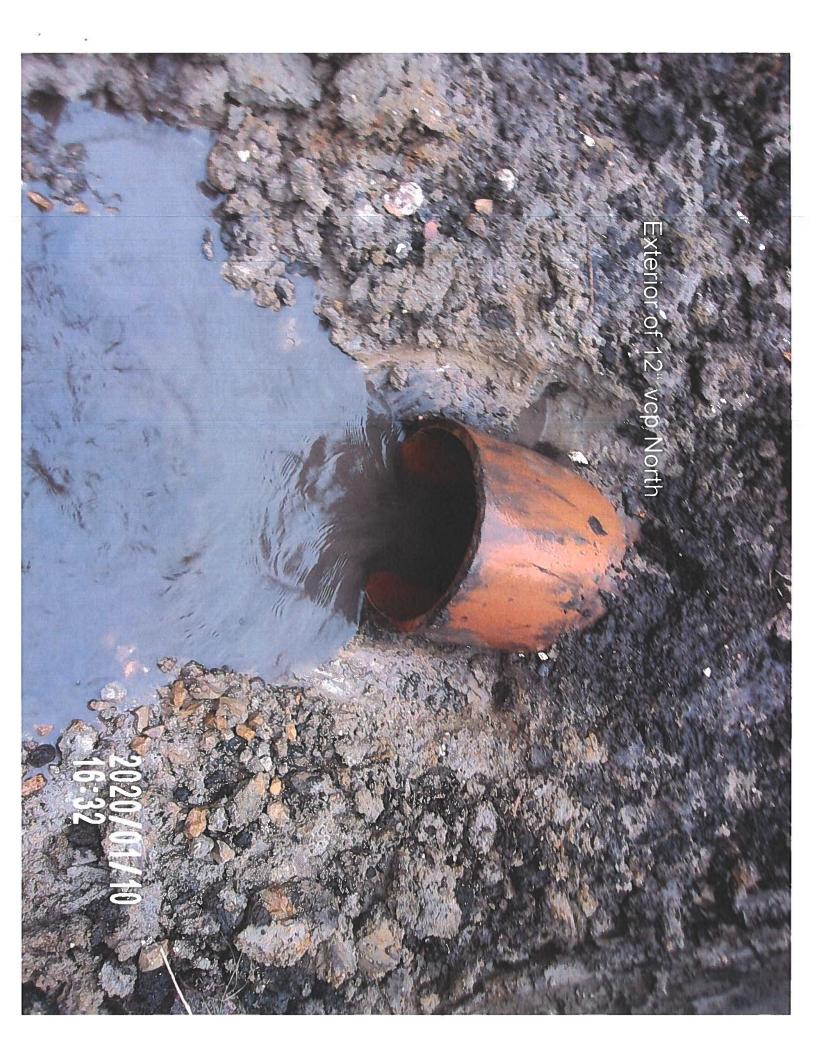


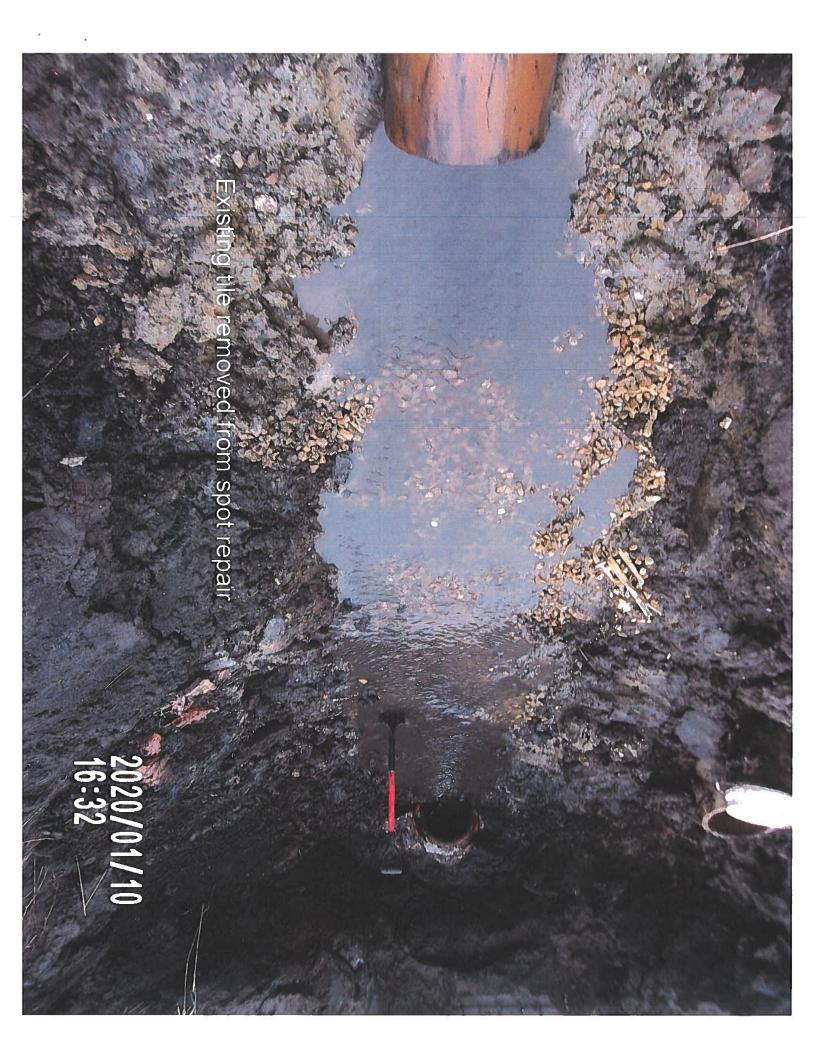
Inside of 12" vcp North

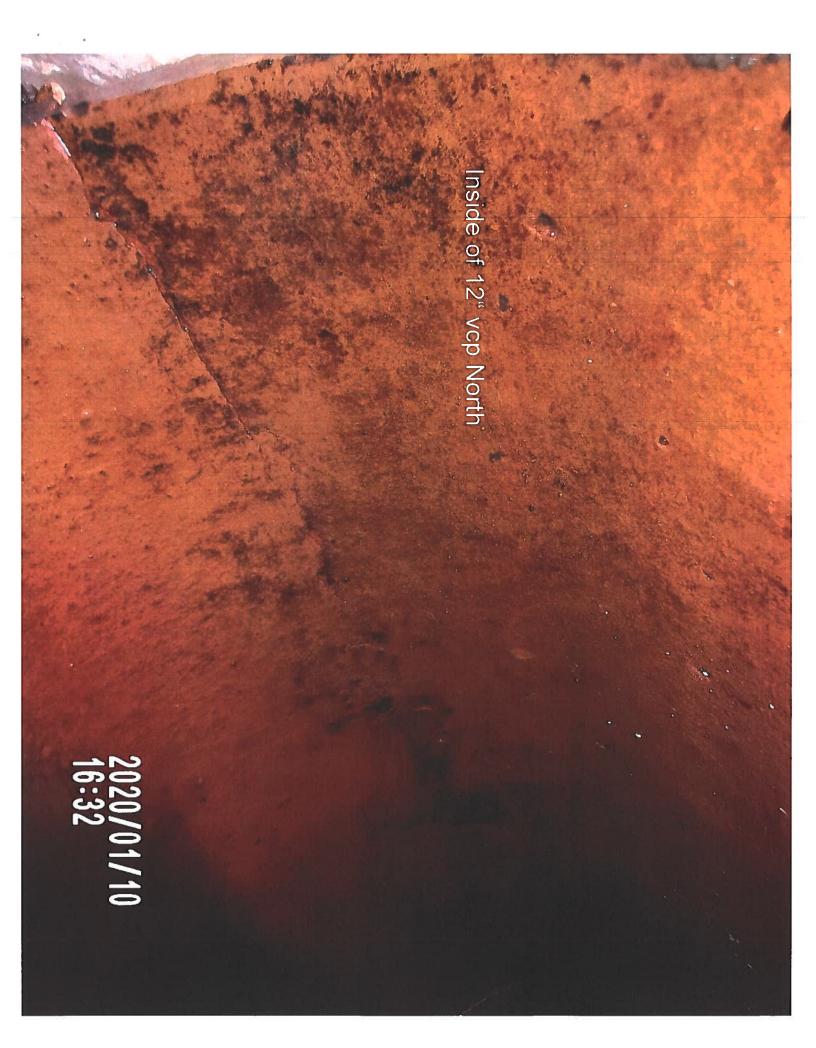
2020/01/10 16:31

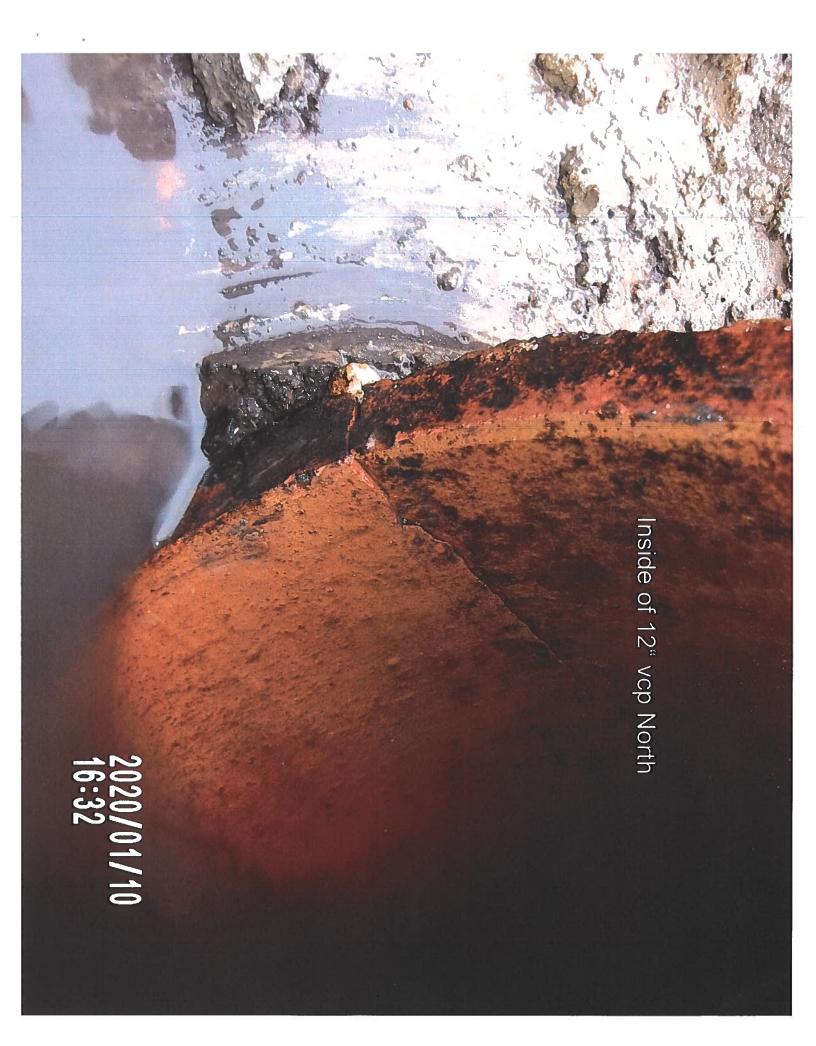


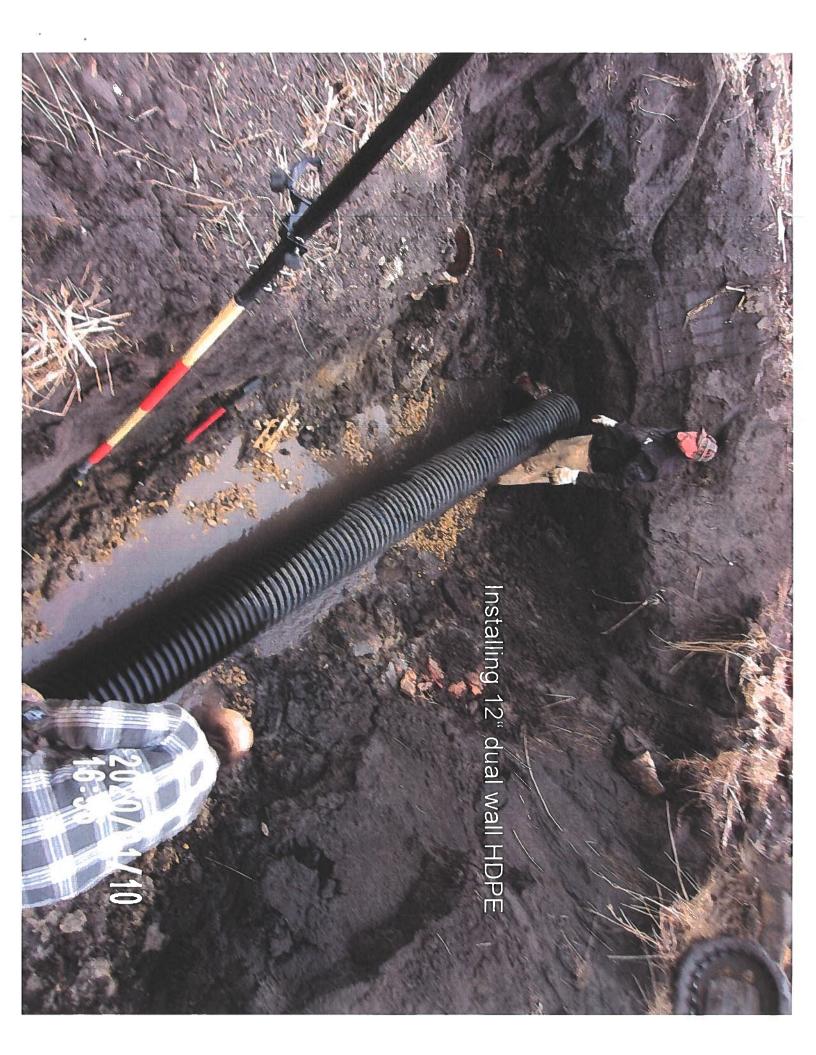


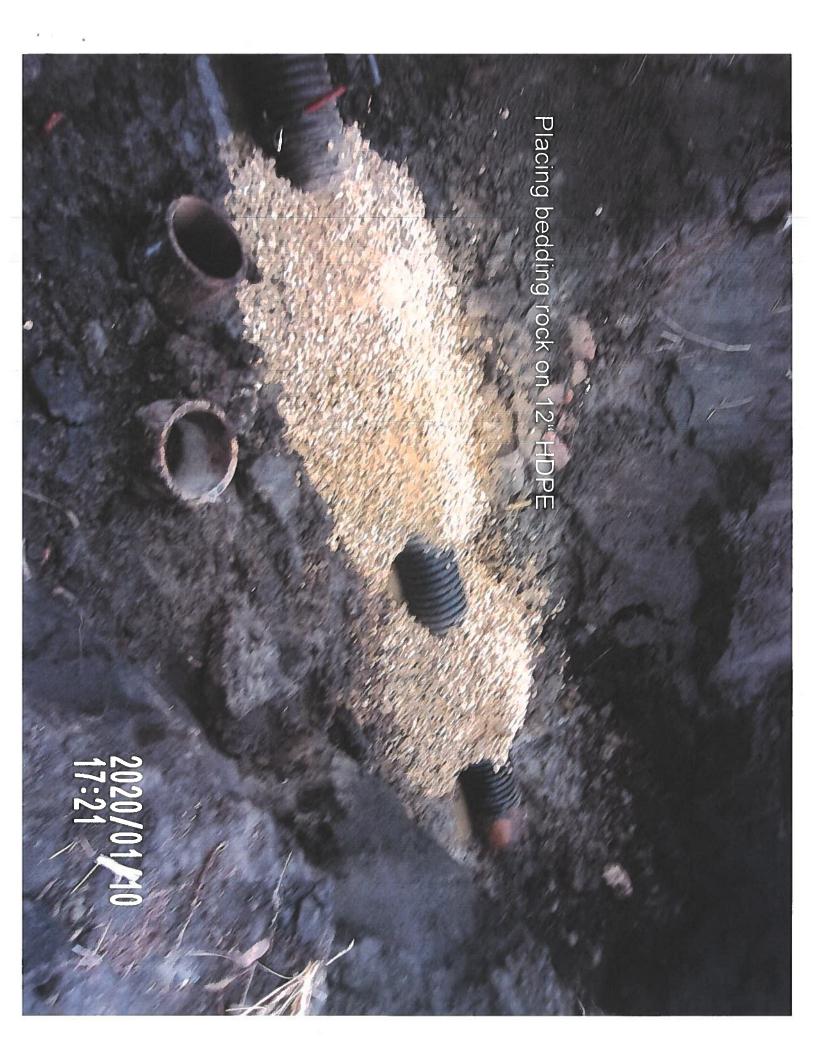


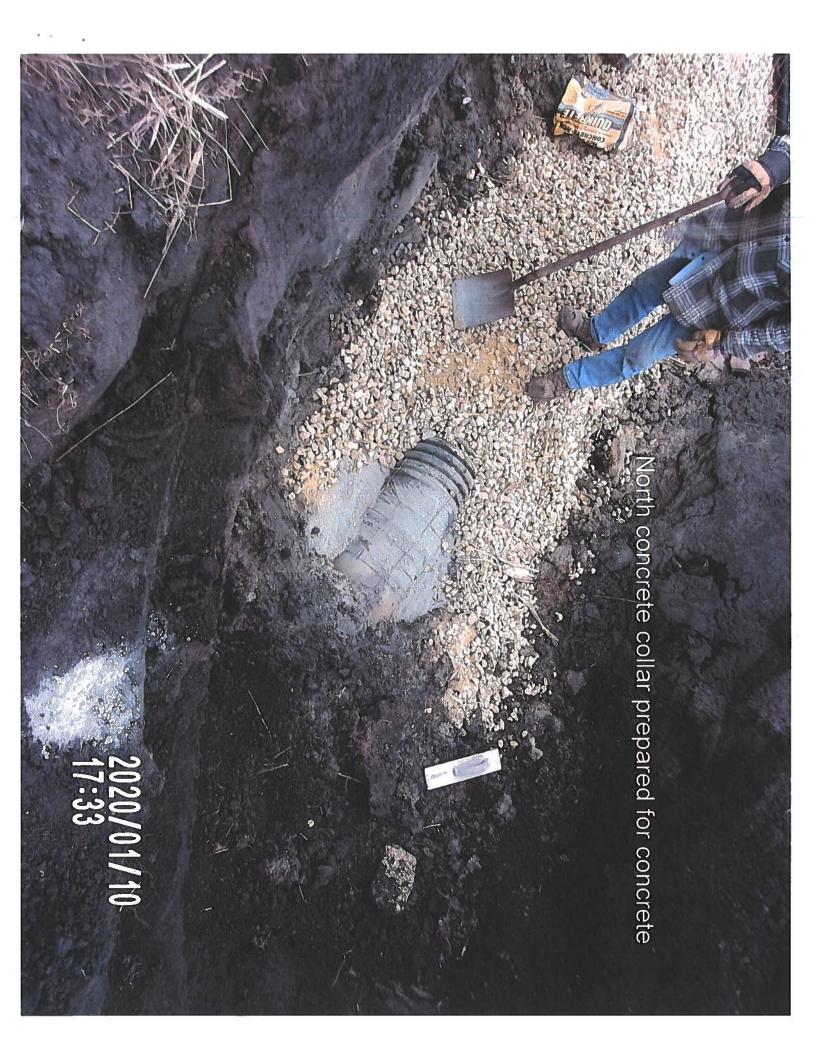




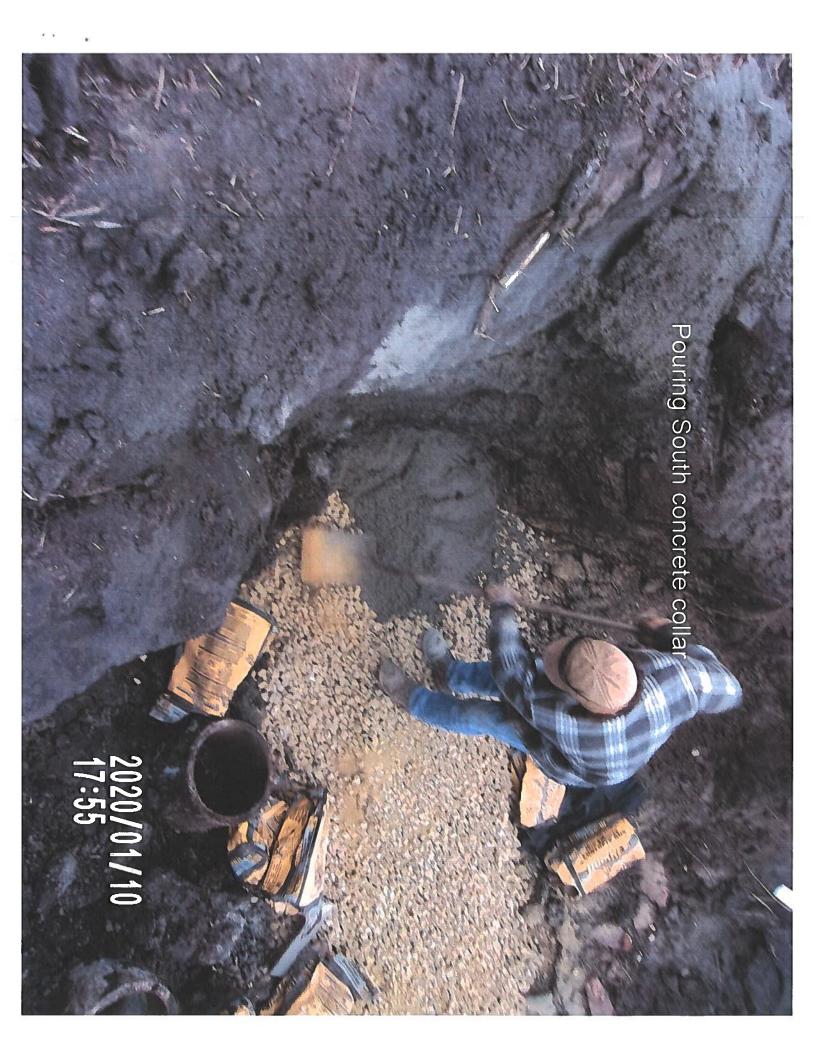












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2,3591992.728,4977959.596,1126.011,MAG HMA
3,3593306.495,4978031.664,1123.308,CPT 1/2
4,3593302.805,4978555.953,1113.460,FNL E W
5,3593302.435,4978631.924,1112.151,INTK BEEHIVE
6,3593301.439,4978668.281,1113.069,FNL E W
7,3593345.976,4978714.608,1110.572,BLOWOUT
8,3593348.919,4978728.680,1109.484,BLOWOUT
9,3593342.975,4978728.638,1112.375,GS
10,3593778.560,4978600.117,1110.115,FL 15"+-CLAY
11,3593778.010,4978598.561,1113.490,GS
12,3593778.685,4978604.540,1113.416,GS BLOWOUT
13,3593776.800,4978553.271,1113.699,GS BLOWOUT
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15,3593639.192,4977988.476,1113.614,CMP FL
16,3593592.703,4977921.157,1113.488,INTK 6"CMP
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18,3593580.817,4979261.513,1114.866,FNL N S
19,3593591.324,4979465.004,1114.373,GS
20,3593573.855,4979665.159,1113.779,GS
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25,3593075.771,4980162.534,1111.018,GS
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31,3592802.802,4980873.323,1106.772,GS
32,3592782.396,4981022.711,1106.460,GS TILE CHARDS
33,3592817.515,4981129.642,1106.204,GS DD36
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37,3593215.204,4981455.456,1103.553,GS DD36
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39,3593379.407,4981523.240,1102.635,GS DD36
40,3593398.542,4981566.360,1102.915,GS DD36
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42,3593474.932,4981794.046,1101.094,GS DD36
43,3593575.236,4981841.951,1099.613,GS DD36
44,3593623.333,4981883.357,1097.121,TOP CONC HDWL
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48,3593296.521,4981438.008,1104.467,GS TILE CHARDS
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50,3593347.493,4978716.675,1110.593,TOP VCP MAINTILE
```

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59,3593777.828,4978559.713,1111.346,TOP 15"CLAYTILE PLASTIC REPAIR
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61,3593778.805,4978550.563,1109.568,FL 10"CLAY
62,3593777.798,4978561.033,1110.097,FL 15"CLAY
63,3593777.400,4978557.144,1109.904,FL 15"HDPE OLD REPAIR
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201,3595396.872,4982683.161,1104.345,gs field waterway
202,3595402.337,4982631.906,1105.106,gs field waterway
203,3595402.897,4982583.555,1106.200,gs field waterway
204,3595440.937,4982595.980,1106.135,gs field waterway
205,3595438.725,4982662.753,1104.757,gs field waterway
206,3595441.415,4982703.287,1104.102,gs field waterway
207,3595450.960,4982721.810,1103.930,gs field waterway
208,3595416.431,4982679.447,1104.497,gs above tile
209,3595400.887,4982663.840,1104.723,gs above tile
210,3595406.646,4982668.726,1099.276,tile top 12" conc 1.09'toptofl
211,3595413.020,4982675.382,1099.075,tile top 12" clay 1.03'toptofl
212,3595476.252,4983068.856,1093.243,tile outlet top 15" cmp 1.28'toptofl
213,3595908.670,4983196.740,1114.128,fnl s&w
214,3595914.817,4982671.612,1118.245,fnl e-w
215,3594603.584,4982535.974,1118.302,cl acc hwy 175/65
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219,3595404.045,4982664.688,1099.222,top 4" pvc lateral
220,3595403.670,4982666.076,1099.307,top 12" vcp
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Drainage Work Order Request For RepairHardin County

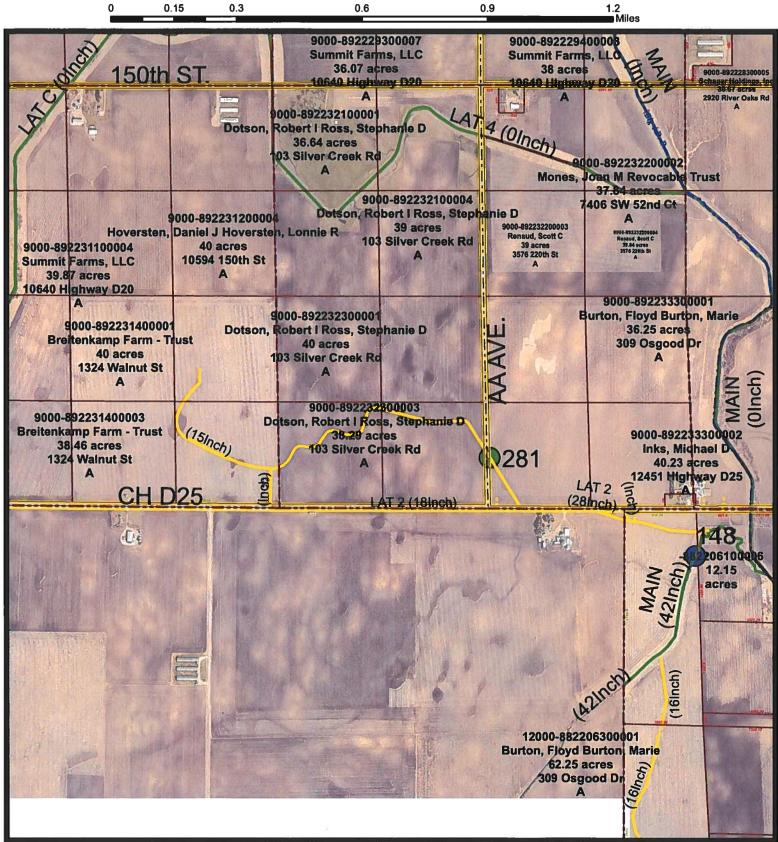
Date:	12/9/2019			
Work Order #:	WO00000281			
Drainage District:	DDs\DD 118-232D2 (51226)			
Sec-Twp-Rge:	32-89-22	Qtr Sec:	NW 1/4	
Location/GIS:	89-22-32-400-003		· · · · · · · · · · · · · · · · · · ·	
Requested By:	Sterling Renaud	21		
Contact Phone:	(515) 689-8661			
Contact Email:				
Landowner (if different):	Burton, Floyd			
Repair labor, material	north of County Hwy nearest parcel is 8922 Tile outlet is in ditch a crossing at this location	D25, about 232400003. and has bee	4 telephone po Tile outlet is pluen flagged by Ste	d tile outlet on east side of AA Ave, just les north of D25 on east side of AA Ave. ugged with dirt/debris and has no flow. Irling. Map reflects tile has road e outlet or a tile blowout.
Repaired By:				Date:
Please reference work	k order # and send sta	tement for	services to:	Hardin County Auditor's Office Attn: Drainage Clerk 1215 Edgington Ave, Suite 1 Eldora, IA 50627 Phone (641) 939-8111 Fax (641) 939-8245
For Office Use Only				
Approved:	2			Date:

Drainage Tiles Lateral Main Open Ditch Private Tile

Hardin County Auditor's Office



Date: 12/9/2019



Drainage District:

#118-232, Main tile and Branch 2C tile

Investigation/Repair Summary:

- Landowner in the SW¼ SE¼ Section 32, Township 89 North, Range 22 West reported a plugged tile on the east side of AA Avenue with no flow within.
- Visual observation found a plugged 36-inch RCP culvert under AA Avenue just north of County Hwy D25. The
 beehive intake on the west side of AA Avenue (assumed to be on Branch 2C) was found to have multiple small
 sinkholes around it. Small blowouts/sinkholes were also found on the south side of County Hwy D25 which is
 assumed to be on the Main tile route.

Contractor Time and Materials (spent while CGA was on-site):

None recorded as only visual observation was performed.

Additional Actions Recommended:

- 1. Direct excavation of blowouts/sinkholes for both the Branch 2C (west of AA Avenue) and Main (south of County Hwy D25) tiles to determine the cause of the blowouts/sinkholes and repair accordingly.
- 2. Since the road culvert is most likely not a district facility, direct secondary roads to clean out the plugged culvert and clean out road ditches as necessary to properly handle surface water.



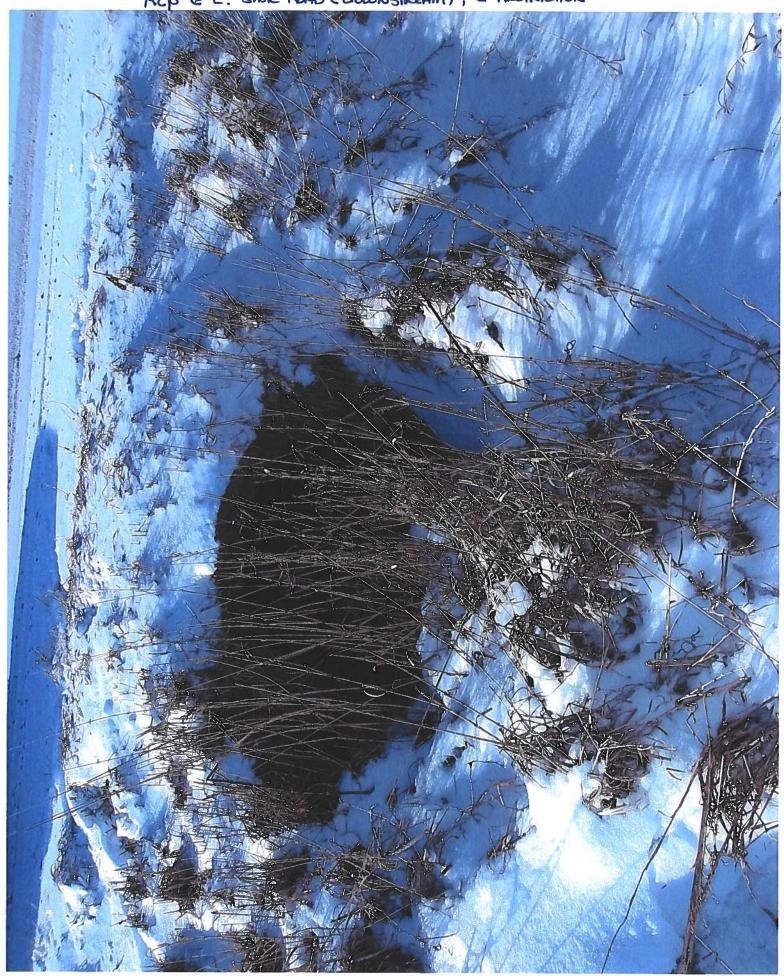
CONSTRUCTION ENGINEERING OBSERVATION REPORT	DATE:	1/16/20
PROJECT NUMBER:	DAYS OF WEEK:	SMTWTFS
8778	— SHEET NO.	OF ,
COUNTY, ROUTE, ROAD:		
LOCATION: AA AVE NORTH OF DZ5. (4TH PP	2	*
DESCRIPTION OF WORK AND MATERIAL USED F NAME, ITEM NO. AND LOCATION Jumy, Bree	FOR EACH OPERATION, INCI	LUDING CONTRACTOR/SUB
FOUND 36" RCD SURE CHAIN FOR ROAD	O DITTER PLUTGED ON E.	SIDE OF "AA AVE.
BEENIUR INTAKE ON W. SIDE OF ROAD LO		
HORES ON N. SIDE INTAKE. WALKED 100		
FOUND NOTHING. I THINK STARLING	RENAUD THOUGH THE	Co. ROBO BCD WAS
A TIME OUTLAND		
CALLED AND TALKED TO SMELING	, the same the Itan is	ATTER STANDING
ON W. SIDE OF ROAD. HE didn'T !	KNOW FOR SURE IF B	EAHIUR WAS TAXING
WATER. INTAKE IS day NOW, BUT SI	DRING OF 2019 WHEN SI	WOTENG WATER MAIN
AND THE LOCATED (COULD BE FIBERO)		
S. SIDE DES ENE COR OF ALREAGE.		
THE ALSO FOUND BLOW- OUT IN W. SITCH		7-7-7-0-1
- ACTION NEEDED . O CLEAN E. CITC		
ON W. SIDE AA AUE. 3 INVESTIGATE BIO	EN-OUTS ALONG DES S.	dITCH (E.W).
Beening 1 NUEST	IGATE CO. TILE MAPS FOR LA	HT. IN W. DITCH LINE OF AAM
CLEAN-DUT CITCH		
9 ×	CALLED STERLING BI	AUD TOWN HIM I
BEEHUE Z	COLUMN TO THE PARTY OF THE PART	IT IN W. DITCH NOF MAIN
	BEEFINE IN CITCH I	S COUNTY PROBABLY HOOKED
	To PRIDME THE.	
77	(1 at #)	(pa /2/2/)
- Augustina - Augu	10011 112	c per district)
	mass	
D25	00	
	5 Smar - Brand	OpCs
I Certify that the work described in this report was incorpor	orated into this contract unless of	therwise noted.
Observer's Signature:	Date Prepared:	16/20
Reviewed by:	Engineer	
S. /	<u> </u>	Date Reviewed

Users\Ryken Standard Forms and Procedures\Company Forms\Construction Engineering Observation Report (1)

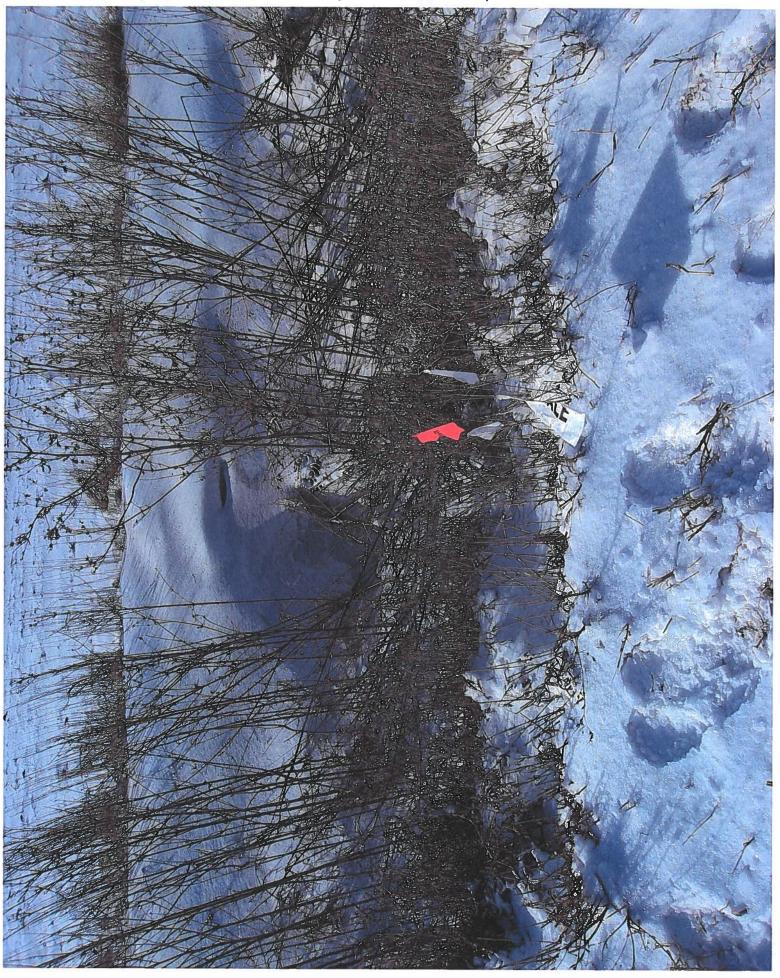
RCP @ W. SIDE ROAD



RCP @ E. SHOR ROAD (downstream), 2' RESTRICTION



BLOW- OUT ON W. SIDE ON PRIVATE LINE, BERHNE IN LITCH



COKING S. W PRIVATE L

BREHIUR ON MAIN, W. SIDE AA AUE.



Drainage Work Order Request For Repair Hardin County

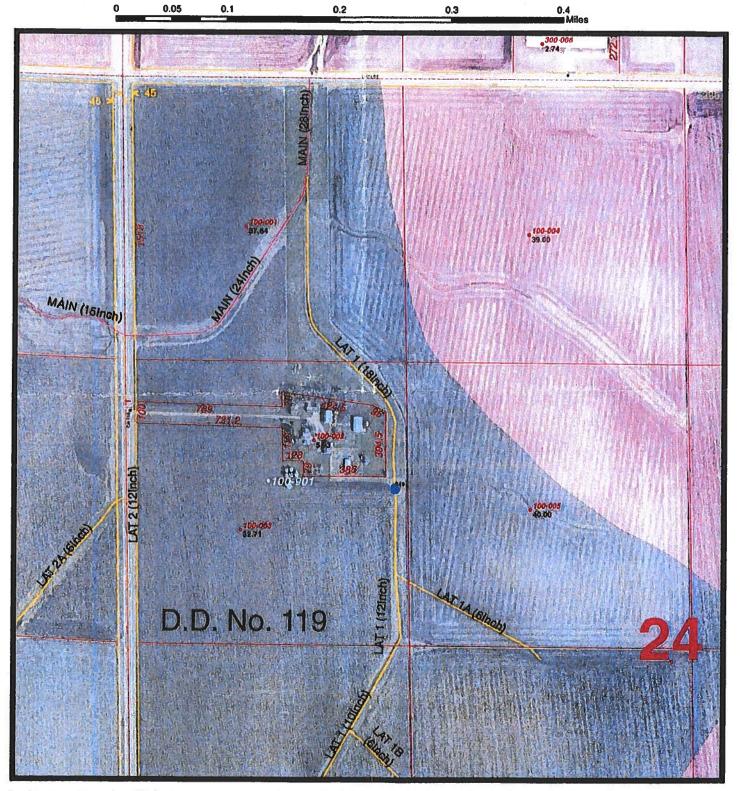
Date:	4/23/2019	
Work Order #:	W000000249	
Drainage District:	DDs\DD 119 (51134)	
Sec-Twp-Rge:	24-89-19 Qtr Sec: <u>SW NW</u>	
Location/GIS:		
Requested By:	James Willems	
Contact Phone:	(641) 847-2705	
Contact Email:		
Landowner (if different):	Thelma Willems	
Description:	DD 119 - Blowout on Lat 1, 4-5 foot deep/wide	
Repair labor, materia	is and equipment:	
Repaired By:		Date:
Please reference work	k order # and send statement for services to:	Hardin County Auditor's Office
		Attn: Drainage Clerk
		1215 Edgington Ave, Suite 1
		Eldora, IA 50627
		Eldora, IA 50627 Phone (641) 939-8111
		Eldora, IA 50627
For Office Use Only		Eldora, IA 50627 Phone (641) 939-8111



Hardin County Auditor's Office



Date: 4/24/2019



The Data is provided "as is" without warranty or any representation of accuracy, timeliness or completeness. The burden for determining accuracy, completeness, timeliness, merchantability and fitness for or the appropriateness for use rests solely on the requester. Hardin County makes no warranties, express or implied is to the use of the Data. There are no implied warranties of merchantability or litness for a particular purpose. The requester acknowledges and accepts the limitations of the Data, including the fact that the Data is dynamic and is in a constant state of maintenance, correction and update. Cadastral Data represents land ownership, but does not define it. This Data does not replace a legal survey.

Drainage District:

#119 Lat 1

Investigation/Repair Summary:

- Landowner in the SW% NW% of Section 24, Township 89 North, Range 19 West reported a blowout/sinkhole over the Lateral 1 tile approximately 4-5 feet wide and deep.
- Visual observation found a 6-feet wide blowout/sinkhole over a broken 18-inch VCP Lateral 1 tile with approximately 3-feet of soil cover. Said tile was cracked, with top visibly sagging and in poor physical condition both upstream and downstream of the collapsed tile.
- Excavation found upstream and downstream tile to be cracked with the top sagging. Said tile was removed until non-sagging tile was encountered in each direction.
- Repaired with 18-inch dual wall HDPE tile, rock bedding and backfill, and ¾ concrete collars at each end of repair. Excavation was filled with on-site soil and was graded to match surrounding ground.

Contractor Time and Materials (spent while CGA was on-site):

See attached Tabulated Contractor Time and Materials Sheet.

<u>Additional Actions Recommended:</u>

- 1. It is unclear if area was reseeded (repair area and grass drive). This should be verified with the contractor.
- 2. If restricted drainage or blowouts/sinkholes are reported again, an investigation into the overall physical condition of the Lateral 1 tile may be warranted to determine if a large-scale project is necessary.



Tabulated Contractor Time and Materials

Date	Totals	12/3/2019	12/4/2019
Workman (hrs)	12 1/2	9 1/2	3
Skidloader (hrs)	6 1/2	5	1 1/2
Mini Excavator (hrs)	6 1/2	5	1 1/2
60lb Fast Setting Concrete Bag (ea.)	15	15	
18" Dual Wall HDPE (ft.)	13	13	
1-inch clean rock (ton)	10	5	5

OBSERVATION REPORT		5/6/11
PROJECT NUMBER:	DAYS OF WEEK:	SMTWTFS
COUNTY, ROUTE, ROAD:	SHEET NO.	OF
<u> </u>		
LOCATION: FAST OF \$56, THEUMO WAYMSE	man	
DESCRIPTION OF WORK AND MATERIAL USED FOR NAME, ITEM NO. AND LOCATION		OBY 34", muony coun, no
CALLED DND TALKED TO JIM WILLAMS	, SAID BLOWAT W	AS @ S.E COX.
OF FARM ACREAGE. SPOUT TO HOUSE, L	f.	
BIGWOUT IN 18" CLAY THE, BUTH ENDS		
MIDDLE OF GRASS SLAVE TOOK Pies B		
LOCKING @ PICTURES IT MAY TAKE OU		
POSTBY PERMANENT CONT. COLLARS (1)	OTEN IS RUNNIE FAST	TE A GOOD GRADE.
14 FULL OF WATER, CLEAN BOTTOM.	10000000 D 3 B	
REPAIR ANYTHE ASAP. GOOD A	CCRSS	
· · · · · · · · · · · · · · · · · · ·		
I Certify that the work described in this report was incorpor		otherwise noted.
Observer's Signature	Date Prepared:	16/19
Reviewed by:	Engineer Engineer	
		Date Reviewed

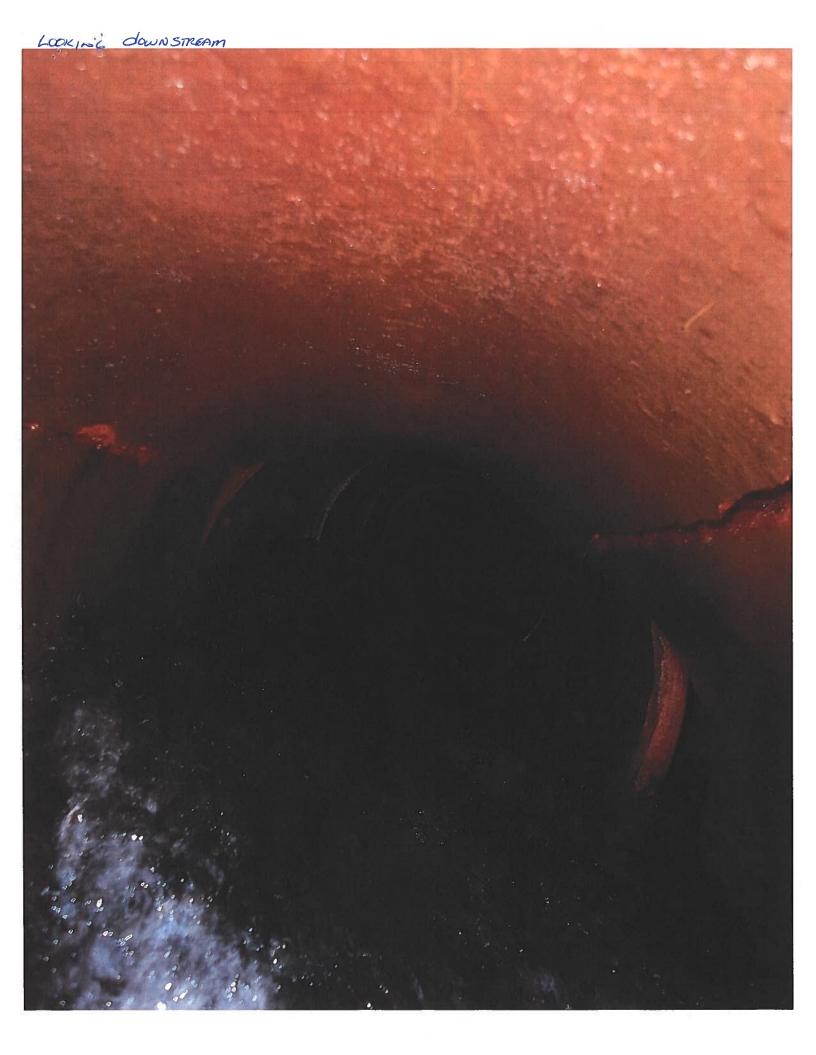
DATE:

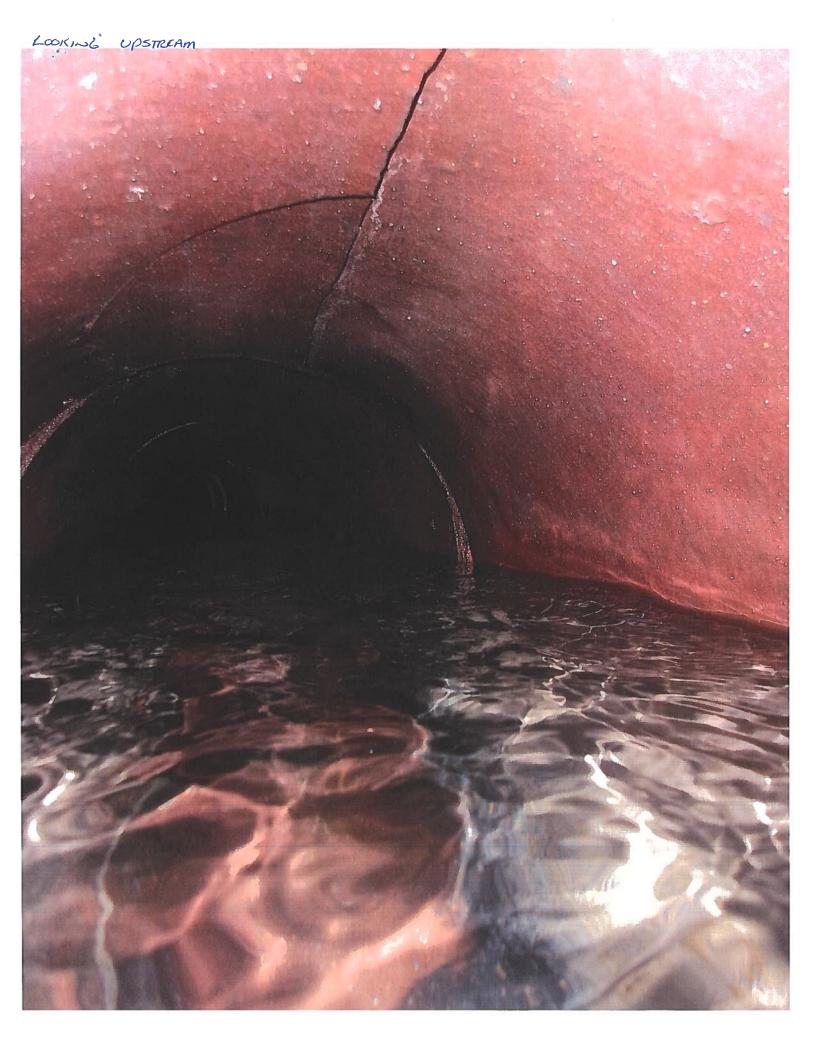
CONSTRUCTION ENGINEERING



LOOKING dowNSTRRAM









CONSTRUCTION OBSERVATI		DATE:	12/3/2019
PROJECT NUMBER:	WO#249	DAYS OF WEEK:	SMOWTFS
COUNTY, ROUTE, ROAD:	6928.1/00#119 DRAINAGE DET CH #119	SHEET NO.	OF Z
LOCATION: TILE RE PARK	LOCATED BETWEEN 1301	***	NY AND BREEZY
DESCRIPTION OF WORK A NAME, ITEM NO. AND LOC	ND MATERIAL USED FOR E CATION	ACH OPERATION, INCLU	JOB# 6928 OD 119, 500, UDING CONTRACTOR/SUB
12:00 P.M. OBSERU	ER HEADED TO T	ILEREREPAIR	LOCATION,
12:10 P.M. OBSERVE	SETUP GPS BASE	OW HARDIN COL	INTY GPS MONUMENT
12:35 P.M OBSERVER	HAD GPS BASE SET	UP AND CHECKED	WID HARDIN COUNTY
			NO VERTICAL POSITION
CHECKED	OUT 600D.	-	
12:50 P.M. ARR	WED AT TILE R	EPAIR LOCATIO	W. SEWARD CREW
WAS NOT ON	USIGHT YET.		
1:00P.M. JEFF 1	RISUS WITH SEWARDS	CREW ARRIVED	ON SITE WITH
A CASE TR	340 TRACKED SKILL	LOADER AND A	- TAKEUCHII TB145
MINIEXC	AUNTOR AND STA	RTED TO UNION	D BOULDMENT;
1:11 P.M. PICTURE#	: 2413 & PICTURE T	2414 SEE PICTO	IRE FOR DETAILS
1:13 P.M. PICTURE #	- 2416 SEE PICTURE	FOR DETITIES.	
1:14 P.M. FICTURE #	-2417 SEE PICTUR	E FOR DETAIL	S
1:30 P. MG ADAM S	EWARD ARRIVED ON	SITE WITH PI	CKUPS TRIPLE
	UMPTRAILER		*
	#Z419 SEE PLOTURE		1000
2:09 P.M. PICTURE	# 2420 SEE PICTURE	FOR DETAILS.	
Z:10 P.M. PICTURE	# 7421 SEE PICTUR	RE FOR DETAILS	
	F# 2423 SEE PICTU		
	E #2424 8 #2425	The state of the s	
			ETHILS.
	E # Z4.27 SEE!		
	EYZB SEE PLOTUR		_
	RE# 2429 SEE		DETAILS
	#2430&2431 SEE F		
I Certify that the work describe	ed in this report was incorporate	d into this contract unless ot	herwise noted.
Observer's Signature:	Dean Premise	Date Prepared:	12/3/2019
Reviewed by:	. /	Engineer	
		L	Date Reviewed

CONSTRUCTION ENGINEERING OBSERVATION REPORT	DATE:	12/3/2019
PROJECT NUMBER: 6928.//DD#/19 COUNTY, ROUTE, ROAD: DRAINAGE DITCH # LOCATION: TILE REPAIR LOCATED STWEEN E 14046 & ESTOF CHWY 5-56 18 1 WEST 2 39-5 4 SOUTH OF SH FOR HORSE PASTURE 6 1331Z CO HWY 5- DESCRIPTION OF WORK AND MATERIAL USED F NAME, ITEM NO. AND LOCATION	DAYS OF WEEK: SHEET NO. DOWN TO LOW EN POST OR EACH OPERATION, II	SMOWTFS OF Z OF
4:58 P.M. PICTURE# 2432 SEE	PICTURE FOR DET	7416
5:05 P.M. PICTURE # 2433 SE		
5:48 PLM PICTURE # 2434 SE		And the second s
5:49 P.M. PICTURE # 2435		
65'TOPTOFL] 1294	OF DW HOPE WOMPERF	
TILE TOP OF 18" CLAY FILE	F ANTE 3	CHILE PASTURE CHWYS-56
(2.9'088P)	GRASS V	26 FAIL PASTURE NE E-W
FIEL FIEL	D (5 GRACE)	* *.
CS FIELD EASS 28	78	¥ 13
CRASS	*	
SWALE	Eles X X X	32 PALPASTUREWEN
		31 65 FIELD CRASS
FIELD SFI	Elay (1.	POFIS" CLAYTILE FIELD SS'TOPTOFL) 3.0'DEEP FL 1075.86
_ 6:00 PIME CREW AND OBSEX	EVER LEFT SI	TE. CREW WAS
	-00 M A-41-0 -00-0 -00 MM 1000	ERNLAHY BEFORE BACK FILLING
TREWCH		
QUANTITIES (USED TO HAULINFOCK)	(2.0' x5,0') 6	"x6" WIRE MESH
OPERATOR # 1 4 1/2 HOURS		BAGS OF QUIL RETHE CONCRETE AND CONCRETE PUT ROCK IN WHILE MIXING
OPERATOR #Z 5 HOURS	_	
		ROCK 5 TON
THEOLOGIS TO 145 MAN EXCAVAT	DR S'IOUIC	10015 0 1010
I Certify that the work described in this report was incorp	orated into this contract unle	ess otherwise noted.
Observer's Signature:	Date Prepared:	12/3/2019
Reviewed by:	Engineer	
		Date Reviewed

PICTURE # 2413 IS LOOKING NORTH SHOWING 9.0° TILE BLOWOUT

3.7'± DEEP (18.0'± WEST & 39.5'± SOUTH OF SE CATTLE PASTURE,
WOOD CORNER POST

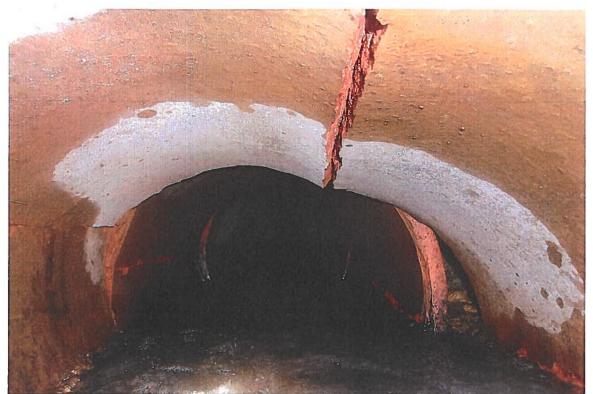




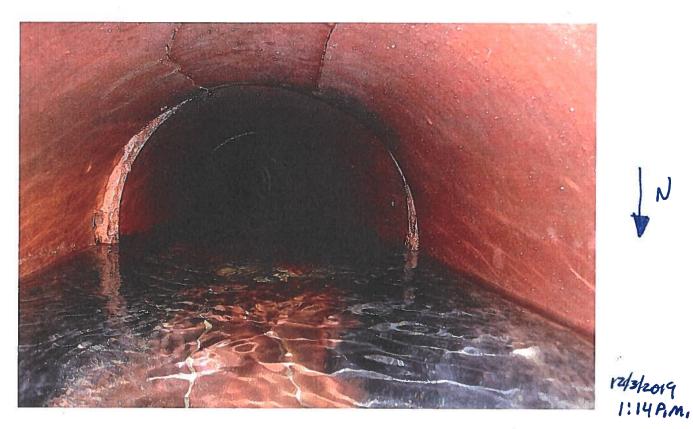
12/3/2019 1:11P,M.

PICTURE# 2414 IS LOOKING NORTH INTO TILE BLOWOUT SHOWING NORTH END-18" CLAY TILE TIE IN CRACKED & CAVING DOWN WILL NEED TO REMOVE IT.

PICTURE # 2416 15 LOOK ING NORTH DOWNSTREAM INSIDE 18" EXISTING
CLAY TILE COLLAPSING DOWNE 12 OCLOCK AND VOID IN LOWER
RIGHT CORNER



12/3/2019 1213 P.Mi



PILTURE# 2417 IS LOOKING SOUTH UPSTREAM INSIDE 18" EXPSTING CLAY TILE TIE IN ON SOUTH END. DUE TO CRACK IN TILE @ 1121 OCLOCK WILL HAVE CREW REMOVE ANOTHER SECTION OF CLAYTICE.

PICTURE # 2419 IS LOOKING! SW ON SOUTH END SHOWING CRACK ON TOP & JT O/S ON SOUTH END FOR TILE THAT WILL BE REMOVED.



N

12/5/2019 Zi 07 P.M.





12/3/2019 Z:09 P.M.

PICTURE # 2420 IS LOOKING WORTH AFTER SECTION

OF 18" CLAY TILE WAS REMOVED THAT WAS CRACKED

WITH IT 0/5 ON SOUTH END

PICTURE # 2421 IS LOOKING SOUTH UPSTREAM FROM

685# 22 TOP 18" CLAY TILE (1.62" TOP TO FL.) WITH

3 MOF FLOW IN TILE (2.9' ± DEEP)



IN

12/3/2019 2110 PiM,

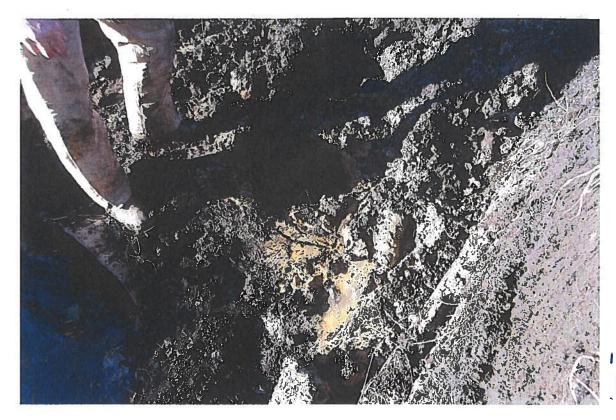


N/

12/3/2019 2:14 P,M.

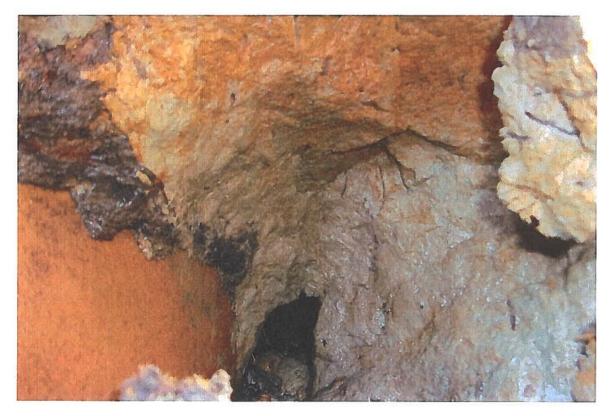
PILTURE#2423 IS LOOKING SE SHOWING GPS#22 SOUTHEND TIEIN AT EXISTING 18" CLAYTILE

PILTURE# 2424 IS LOOKING NIN SHOWING VOIDON EASTSIDE



N

12/3/2019 2: 28 P.M.



AN

12/8/2019 2128P+M

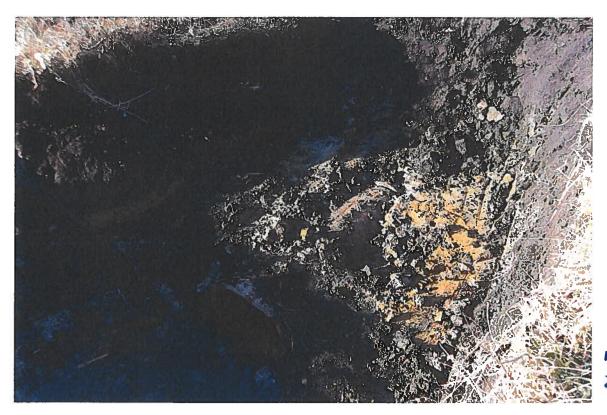
SHOWING INSIDE VOID ON EAST SIDE OF TILE

PILTURE # 2426 IS LOOKING NE SHOWING WIDE JOINT BETWEEN TILE SECTIONS ON WORTH END WHERE YOU WAS ON EASTS LOE.



N

12-3-2019 2134 P.MI



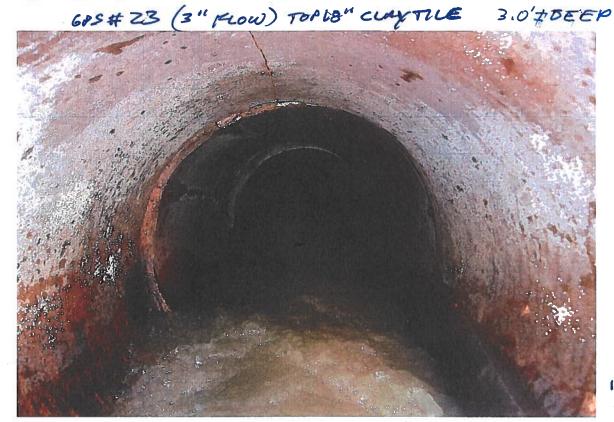
N

12-3-2019 2:37 P.M.

PICTURE # 2427 IS LOOKING NW SHOWING Z SECTIONS DF TILE THAT WILL BE REMOVED DUE TO GRACKON TOP, WIDE JOINT & VOIDON EAST SIDE! PICTURE # 2428 IS LOOKING NORTH DOWNSTREAM INSIDE

NORTH END EXISTING 18"CLAY TILE TIE IN (1.58" TOATO FC)

TILE IS CRACKED ON TUP BUT NOT! CAVING DOWN.



12-3-2019 2150RM

N



PILTURE# 2429 IS LOOKING NORTH SHOWING BUTTOM,

PICTURE # ZY 30 IS LOOKING NORTH SHOWING 12.90 LF OF 18" NONPERF TILE WITH CREW TAMPING IN ROCK UNDER AND ABOVETOP OF TILE.



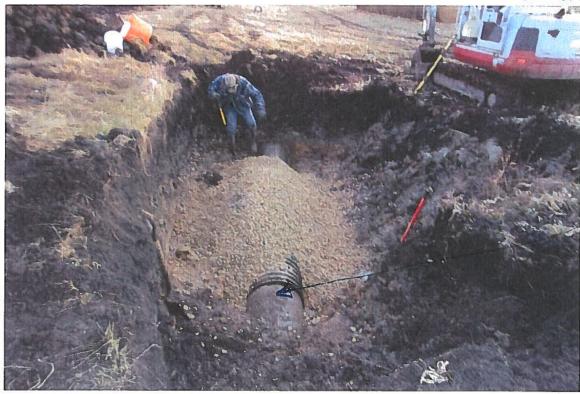


12-3-2019 4:42 P.M.

CPS# 22 TOP 18" CLAY TILE. 1.62" TOP OF HOPE WAS 0.3"

2.9" DEEP CLAY TILE. 1.62" TOP OF HOPE WAS 0.3"

ABOVE TOP 18" CLAY



4142PiMi

12-3-2019

CPS#73 TOP 18"CLAY TILE 3.0" DEEP

PICTURE # 2431 IS LOOKING SOUTH SHOWING 12,90 LFOF
18" WONDERF TILE WITH CREIN TAMPING IN ROCK UNDER
AND ABOVE TILE.

PILTURE# 2432 IS LOOKING SOUTH SHOWING CREW USING

(2.0'x5.0') OF 6"x6" WIRE MESH ON CONCRETE COLLAR

ON SOUTH END TIE IN. NO FABRIC OVER JOINT SINCE

OBSERVER DID NOT CATCH IT IN TIME BEFORE 16TBAG DUMPEO ON



N

12-3-2019 4:58 P.M.



N

12-3-2019 5:05P.M.

PICTURETY 2433 IS LOOKING EAST SHOWING CREW USING 2.0'X 5:01) OF 6"x6" WIRE MESH ON CONCRETE COLLAR ON NORTH END TIEIN. REUSED ENGINEERING FABRIC OVER JOINT FROM EXISTING TILE.

PICTURE # 2434 IS LOOKING NORTH AT CONCRETE COLLAR POURED ON NORTHED TIEIN, CREW USED 7.5-6018 BAGS OF SAND/TOPPING CONCRETE MIX SINCE CREWSAID JOWAFALLS WAS OUT OF REGULAR CONCRETE LEREW ADDED SOME CRAVEL TO





PILTURE# 2435 IS LOOKING SOUTH AT CONCRETE COLLAR POURED ON SOUTH BNO THEIN. CREWUSE 7.5-GOIB BAGS OF SAND/TOPPING CONCRETE MIX SINCE FOWA FALLS WAS OUT OF REGULAR CONCRETE, GREW AND SOME GRAVEL TO MIX CCONCRETE WAS MIXED BY HAND).

5:49 P.M.

	ON ENGINEERING TION REPORT	DATE:	12/4/2019
	WO#249	DAYS OF WEEK	SMTWTFS
PROJECT NUMBER:	6928.1/00#11	SHEET NO.	OF
COUNTY, ROUTE, ROAL): DRAINAGE DITCH? HARDIN	#H9	
LOCATION: TILE REPA	EGSTOF COHWY 5-5	6_	5 UNNY LIGHT WIND
FOR HORSE PASTUR	39.5 4 SOUTH OF	SW WOOD CORNER POST	TOB# 6928 DD119, SURVEY, INCLUDING CONTRACTOR/SUB
NAME, ITEM NO. AND LO		FOR EACH OPERATION	, INCLUDING CONTRACTOR/SUB
19 00 AIM LE	FET OFFICE	FORSITA	
9:10 A.M. AM	RIVED DATE	ITE ADAME	RISERF W.ERE -
		WOTHER STON	
			COVER CONCRETE
			SOUTHENO TIEINS
		RACK SKIDLO	
		MINI EXCAUAT	
9150 A, M, C	REW WAS	BACKFILLING	TRENCH WITH
TOPS	oll .		
10:20 A.M	CREW H	AD BACKFILL	SOIL ALL BACKFILLED
& D	RESSED		
700			E FOR DETAILS
			RE FOR DETMILS.
			EE PICTURE FOR DETAILS,
10130 A.M.	OBSERVER HA	VO CREW LET	-7 SITE,
QUANTITIES	•	9-3 - 2-32 EX	
E A A A A A A A A A A A A A A A A A A A	-	The state of the s	
OPERATOR	#1 1/2 HR		
GPERATOR \$	+2 1/2 HR	N	
CASE TR 3	48 TRACKET	SKIDLOADER	1/2HR
		NIEXCAVATOR	1/2 HR
PICKUP &	TRIPLEAXLE	E DUMPTRALLE	-R (USED TO HAULROCKIN)
ROCK	STONS		
11-7-			
NOTE: 6	RASS WATER WA	Y & LANB TOREP	AIR NEEDS SEEDED
I Certify that the work descri	bed in this report was inco	orporated into this contract u	nless otherwise noted.
Observer's Signature:	Deen Games	Date Prepared:	12/3/2019
Reviewed by:	./	Engineer	
	-		Date Reviewed

PILTURE # 2436 IS LOOKING SOUTH SHOWING BOTH CONCRETE COLLAR TIE INS AND TREWEH BUCKFILL'ED WITH,

ADDITIONAL STONS OF ROLK





N

PICTURE # 2437 IS LOOK ING WORTH FROM GRASS SWALE SOUTH OF REPAIR AT BACK FILL SOIL ALL DRESSED UP

PICTURE# 2438 IS LOOKING WEST SHOWING TOPSOIL BACKFILLED AND DRESSED UP.







PICTURE# 2439 IS LOOKING WEST SHOWING GRASSLANE SOUTH OF 1331Z COHWYS-56 CATTLE PASTURE USED TO GET TO TILE REPAIR

6928 DD119 12-3-2019DP

```
1,3645586.488,5043591.749,1108.983,140TH/S56
2,3645618.310,5043555.653,1105.113,HICK INTK
3,3645819.724,5043552.858,1100.561,FL BEEHIVE INTK
4,3645825.688,5043550.435,1103.073,GS 5"CLAY E/W
5,3645830.751,5043550.385,1102.991,UGTL
6,3645817.161,5043550.885,1103.001,UGTL
7,3645915.720,5043554.522,1103.235,FL 24"CMP
8,3645826.996,5043577.882,1107.744,EOA S56
9,3645827.607,5043600.315,1107.707,EOA S56
10,3645826.640,5043582.140,1107.916,TILELOCATE LAT1C
11,3645533.241,5043562.363,1103.961,FL 24"CMP
12,3645502.642,5043581.919,1108.692,EOA S56
13,3645501.993,5043604.186,1108.826,EOA S56
14,3645501.978,5043597.982,1109.080,BOREHOLE CONC
15,3645502.227,5043586.244,1108.916,BOREHOLE CONC
16,3645014.313,5043586.757,1111.447,EOA S56
17,3645015.371,5043608.858,1111.585,EOA S56
18,3645014.024,5043590.506,1111.716,HMA LOW SPOT N/S
19,3644916.409,5043600.460,1113.120,HMA ENDLAT1C
20,3666252.640,5048812.103,1068.407,GPS 7001
21,3648948.939,5044850.262,1080.446,GS
22,3648958.048,5044850.146,1077.592,CLAY TILE TOP 18" 1.62' TOPTOFL
23,3648971.004,5044850.426,1077.439,CLAY TILE TOP 18" 1.58' TOPTOFL
24,3649011.447,5044517.683,1088.233,FNL PASTURE N&E
25,3648991.836,5044517.352,1087.227,GS FIELD/GRASS
26,3649008.172,5044670.748,1083.462,FNL PASTURE N&E-W
27,3648988.612,5044673.921,1083.059,GS FIELD/GRASS
28,3648987.523,5044807.922,1081.570,GS FIELD/GRASS
29,3648894.682,5044812.708,1081.936,GS FIELD/GRASS
30,3648899.188,5044868.436,1082.291,GS FIELD/GRASS
31,3649004.576,5044871.976,1081.466,GS FIELD/GRASS
32,3649003.824,5044868.980,1081.662,FNL PASTURE W&N
33,3649005.490,5044783.303,1081.759,FNL PASTURE E-W
7002,3650755.010,5048875.510,1090.740,GPS 7002
7002_GNSS,3650755.010,5048875.510,1090.740,Autonomous Setup
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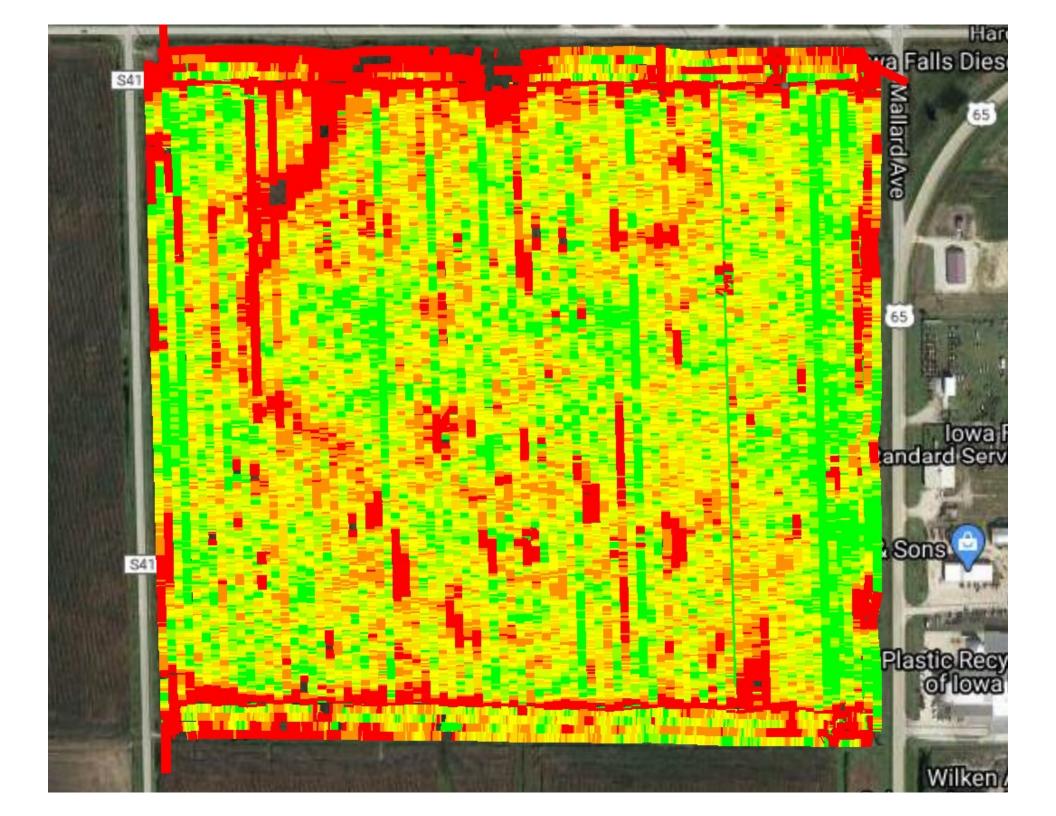
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1,3645586.488,5043591.749,1108.983,140TH/S56
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3,3645819.724,5043552.858,1100.561,FL BEEHIVE INTK
4,3645825.688,5043550.435,1103.073,GS 5"CLAY E/W
5,3645830.751,5043550.385,1102.991,UGTL
6,3645817.161,5043550.885,1103.001,UGTL
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9,3645827.607,5043600.315,1107.707,EOA S56
10,3645826.640,5043582.140,1107.916,TILELOCATE LAT1C
11,3645533.241,5043562.363,1103.961,FL 24"CMP
12,3645502.642,5043581.919,1108.692,EOA S56
13,3645501.993,5043604.186,1108.826,EOA S56
14,3645501.978,5043597.982,1109.080,BOREHOLE CONC
15,3645502.227,5043586.244,1108.916,BOREHOLE CONC
16,3645014.313,5043586.757,1111.447,EOA S56
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25,3648991.836,5044517.352,1087.227,GS FIELD/GRASS
26,3649008.172,5044670.748,1083.462,FNL PASTURE N&E-W
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33,3649005.490,5044783.303,1081.759,FNL PASTURE E-W
7002,3650755.010,5048875.510,1090.740,GPS 7002
7002_GNSS,3650755.010,5048875.510,1090.740,Autonomous Setup
```



Drainage Work Order Request For RepairHardin County

Approved:				Date:
For Office Use Only				
				Eldora, IA 50627 Phone (641) 939-8111 Fax (641) 939-8245
Please reference wor	k order # and send sta	tement for		Hardin County Auditor's Office Attn: Drainage Clerk 1215 Edgington Ave, Suite 1
Repaired By:				Date:
Repair labor, materia	ls and equipment:			
Description:	standing water at od	d times of th	he year, and excess	ng like it should, and has had sive water this past season, unlike on is requesting investigation.
Landowner (if different):	Arlene Hamilton			
Contact Email:	lmaldinger@gmail.co	om		
Contact Phone:	(515) 689-1842			
Requested By:	Landon Aldinger			
Location/GIS:	89-21-01-200-001	_		
Sec-Twp-Rge:	01-89-21	Qtr Sec:	NW Corner, SW (Corn∈
Drainage District:	DDs\DD H-F 2 (51211	1)		
Work Order #:	WO00000286			
Date:	3/5/2020			





RESOLUTION 2016-18

FRANKLIN COUNTY INVESTIGATION OF DRAINAGE DISTRICTS PER REQUESTS

NOW, on this 3/ st day of May	, 2016, the following resolution was presented to the
Board of Supervisors acting as Drainage District Trust	ees:
WHEREAS, said Trustees believe that it is in the	best interests of drainage districts that individuals,
landowners, or entities making requests for district inve	estigation of repairs be responsible for the costs of those
investigations in the event that the source of the need for	or repairs would be privately owned tile and not part of
the drainage district facilities or no problem is found an	nd the drainage district facility is anything other than
open ditch.	
BE IT RESOLVED that in the event any individua	al or entity makes a request to the drainage district to
investigate proposed repairs which require the district t	to expend funds to determine the location of needed
repairs, feasibility of repairs, or any other costs incurre	d in connection with investigating the request and that in
the event in the course of investigation it is discovered	that the drainage tile or related structures needing repair
are not under the drainage district's control, then the in	dividual, landowner, or entity requesting the
investigation shall be responsible for payment of any e	xpenses incurred by the district. If said investigation
results in no problem discovered, said requestor is resp	onsible for payment of any expenses incurred by the
district. This does not apply to drainage district faciliti	es that are open ditches. If the investigation in the
district finds a problem with district facilities, then said	district will be responsible for payment of any expense
incurred by the district as allowed by Iowa Code.	
The Board of Supervisors acting as Drainage D	istrict Trustees authorize the Franklin County Auditor to
prepare the necessary form for the individual, landown	er, or entity to execute prior to any investigation (except
open ditches) in a form necessary to carry out the inten	t of this resolution.
BE IT DULY ADOPTED this 31 st day of May, 2016,	with the vote thereon being as follows:
AYES: Eberling, McVicker, Nolte	ve read and agree to the terms of this Resolution:
NAYS: ABSENT/NOT VOTING:	To your man ingree to the terms of this feedattion.
FRANKLIN COUNTY BOARD OF SUPERVISORS	Requestor
Corey Eberling, Chairman	
Day M'Vicker	Date
Gary McVicker	Drainage District
Michael Nobe	Ziming Dionivi
Michael Nolte	2

ATTEST:

Michelle S. Giddings, Auditor & Clerk to Board

Hardin County Drainage Claim for Damages

Claim # <u>2020</u>	<u>-2</u>	District #_	<u>25</u>		r# <u>209</u>
Township <u>Con</u>	cord	Section_27	Twp	Rge	Qtr Sec <u>NE</u>
Parcel Tax IDS_	862227200003				
-					
Name _	David Fincham				
Address _	906 Yuma Ave.				
-	Ames, IA 50014				
Phone _	515-292-6417				
Email Address	<u>dafincham@m</u>	chsi.com			
Landowner (if	different)				
Claim Type:	X Crop Damage				
	Crop Year <u>2019</u>		Cro	p Year	
	Type of Crop _Soyb	eans	Тур	e of Crop	
	# Acres Damaged_3 Re	eported <mark>(.76 CGA Ve</mark>	<mark>rified)</mark> # A	cres Damaged_	
	Yield Per Acre		Yie	d Per Acre	
	NOTE: ½ of claim goes	to David Fincham (\$	<mark>203.87), ½ goes t</mark>	o Alvin Clark (\$2	203.87), 32786 Co Hwy
Radclif	fo IN EUSSO				
	<mark>fe, IA 50230</mark> –				
	Other:				
	Other:	– Please note if pay			
	Other: Desired Compensation	– Please note if pay			
	Other: Desired Compensation X Monetary Paymer Repair of Damages	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages Other:	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages Other:	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages Other: Claimant Signature For Office Use Only	– Please note if pay	ment should be s	plit between lar	ndlord/tenant.
	Other: Desired Compensation X Monetary Paymer Repair of Damages Other: Claimant Signature For Office Use Only	– Please note if pay	ment should be s	plit between lar	te/bushel
	Other: Desired Compensation X Monetary Paymer Repair of Damages Other: Claimant Signature For Office Use Only Unit Value \$ 9.2	– Please note if pay nt <u>25</u> /bushel d Acres X Yield X Un	ment should be s Unit Value t Value) \$	plit between lar Da \$	te/bushel

Claim #		District # DD 25	-	Work Order #	209	•
Township(Concord	Section 27	Twp	Rge		Otr Sec NE
Parcel Tax ID:	s 862227200	0003				7,7
					ĕ	
Name	David A. F	incham				
Address	906 Yuma	Avenue				
	Ames, IA	50014				
Phone	515-292-	6417				
Email Addres	s dafine	ham@ Mchs	1,00	m		
Landowner (i	removement by a series of the series	eminut nave, is		est to en energy of		- 12 - 120, - 12
Claim Type						
	Crop Damage					
	Crop Year	2019		Crop Year		
	Type of Crop	Soybeans	_	Type of Crop		
	# Acres Damage	ed		# Acres Damag	ged	
	Yield Per Acre	58	_	Yield Per Acre		
	Unit Value	\$ <u>8.50</u> /bush	el	Unit Value	\$	/bushel
	Fence Damage	*				
	Outlet Damage					
	Other:					
	Desired Compensation	10	D 1		(0	
	☐ Monetary Payment	20	+ cla	im goes-	to Da	ivid A. Fincha
	Repair of Damages	2 90	pes to	: Alvin C)	ark	0.04
			λ	: Alvin C) 32786 Q Radeliffe	o Hwy	50930
	U Other:			Radelitte	1-17	30230
	Total Amount Claimed	l		179 00		34
	Crop Damages (Acres X	*	,			-
	Other Damages (Fence,	Outlet, Etc)	\$	•		0 H 10
	Claimant Signature 📗	ava a. Turel	ham		Date_/	2-7-19
	For Office Use Only					
	Total Amount Approved	\$				
	Approved Signature				Date	

Hardin County Drainage Claim for Damages

laim # <u> 2020</u>	<u>)-3</u>	District #		Work Order	# <u> 244 </u>	
ownship <u>Jac</u>	kson Sec	tion <u>25</u>	Twp_88	Rge_20	Qtr Sec <u>NE</u>	_
arcel Tax IDS	882025200001					
ame	Douglas Hess					
ddress	Clifford Kitzman - 20031 2	90 th St. Beaman, I <i>l</i>	A 50609			_
hone	641-750-0996					
mail Address						
andowner (if	different) _Hess 2017	Trust				
laim Type:	X Crop Damage					
	Crop Year <u>2019</u>		Crop \	Year		
	Type of Crop _Soybeans_		Type o	of Crop		
	# Acres Damaged 2 Report	ed <mark>(.6 CGA Verified</mark>	<mark>d)</mark> # Acre	es Damaged		
	" Meres Damagea_2 Report					
	Yield Per Acre 62		Yield I	Per Acre		
		es: Make check to			two places that he	—– e stay
that I	Yield Per Acre 62	es: Make check to			two places that h	—– <mark>e sta</mark>
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him.	es: Make check to	Doug but mail to	me as he has	·	e stay
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him.		Doug but mail to	me as he has		 <mark>e sta</mark> y
<mark>that I</mark>	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other:		Doug but mail to	me as he has		 e stay
<mark>that I</mark>	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment		Doug but mail to	me as he has		e stay
<mark>that I</mark>	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages	ease note if payme	Doug but mail to	me as he has to		e stay
<mark>that I</mark>	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment	ease note if payme	Doug but mail to	me as he has to		 e stay
<mark>that I</mark>	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages Other:	ease note if payme	Doug but mail to	me as he has	dlord/tenant.	 e stay
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages	ease note if payme	Doug but mail to	me as he has		e stay
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages Other:	ease note if payme	Doug but mail to	me as he has	dlord/tenant.	 e stay
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages Other: Claimant Signature For Office Use Only	ease note if payme	Doug but mail to	me as he has	dlord/tenant.	e sta
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Ple X Monetary Payment Repair of Damages Other: Claimant Signature For Office Use Only	ease note if payme	Doug but mail to	me as he has to me as he has t	dlord/tenant.	e sta
that I	Yield Per Acre 62 NOTE: Clifford Kitzman state can get it to him. Other: Desired Compensation – Plet X Monetary Payment Repair of Damages Other: Claimant Signature For Office Use Only Unit Value \$ 9.25	ease note if payme	Unit Value	p me as he has to the between land Date \$	dlord/tenant.	e sta

Hardin County Drainage Claim for Damages

Claim #	District # DD 1	Work Order #_	244
Township Jackson	Section_ <u>25</u>	Twp_88 Rge_	20 Otr Set_
Parcel Tax IDS <u>88202520</u>	00001		DEC 10 2019
			HARDIN COUNTY AUDITOR
Name $\frac{\int \partial \mathcal{U}g ds}{\int ds}$	Hess	/ '/ %	
	_/		because he has
, /	That he stays	So Mat I can	get to him.
Phone			
Email Address			
Landowner (if different)			
Claim Type			
Crop Damage			
Crop Year	2019	_ Crop Year	
Type of Cro	p Beans	Type of Crop	
# Acres Dar	maged 2	_ # Acres Damag	ed
Yield Per Ad	cre <u>62 bu acro</u> ;	25 Scale Yield Per Acre	
Unit Value	\$ <u>8,25</u> /bushe	el Unit Value	\$/bushel
Fence Damage			
Outlet Damage			
Other: had	to head everything	Na actoss deep d	rand to west drive to la
Desired Compensat	ion out because	equipment in ea	raw to west drive to lo ast drive. We custom far
Monetary Paym	This farm fo	or Doug and char	ged him 250 00 for this
-	0140	. 0	,
☐ Repair of Damag			
U Other:			
Total Amount Claim		\$	
Crop Damages (Acre	es X Yield X Unit Value)	\$ 1023	\$
Other Damages (Fe	nce, Outlet, Etc)	· \$ # 250 =	
Claimant Signature_	es X Yield X Unit Value) nce, Outlet, Etc) Clifford D. Kits N Phone # 641-	750-0996	Date 12 - 4 - 19
For Office Use Only	·		
Total Amount Appro	oved \$		
			Date





Drainage Work Order Request For RepairHardin County

Date:	2/3/2020	
Work Order #:	WO00000284	
Drainage District:	DDs\DD 55-3 (51085)	
Sec-Twp-Rge:	Qtr Sec:	
Location/GIS:		
Requested By:	Lee Gallentine reported	
Contact Phone:		
Contact Email:		
Landowner (if different):		
Repair labor, material	DD 55-3 Lat 10 - CGA staff working in area report of highway, west of Hardin Co. Conservation growwo 165, Contractor Williams removed beaver of the standard	ound in old RR ROW. Same site as closed lam in 2017.
Repaired By:		Date:
Please reference worl	c order # and send statement for services to:	Hardin County Auditor's Office Attn: Drainage Clerk 1215 Edgington Ave, Suite 1 Eldora, IA 50627 Phone (641) 939-8111 Fax (641) 939-8245
For Office Use Only		
Approved:		